

QUALITimes

A QUALITY THAT DOES NOT CHANGE WITH TIMES

Editorial Panel

- Geeta S
- Jyoti R
- Sunmeet S
- Venu M

(Want to be a part of the panel.

Forward your interest to: -

"qualitimes@qualitreeinc.com")

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Editor's Choice...

Sabse Greatest Kaun ?

Rohit Khanna

The thing about some of the things that TV channel sales teams and programming geeks cook up to grab eyeballs... is that sometimes they hit on a pretty decent idea. Some years ago, the BBC thought up a Show called 'The Greatest Briton'... asking people to travel down English History, and figure out who the greatest Briton of all time was. Gimmick? Yes! But it sure got the whole country debating and rooting for their Greatest. From Elizabeth I, to Shakespeare, to Newton, to Darwin, to Dickens, to Lord Nelson, to Cromwell, Churchill, John Lennon... even Monty Panesar (just kidding about Panesar!). For the record, Churchill won.

Bizarrely enough, when the show was syndicated to the USA, they voted for Ronald Reagan... oops!!

So when the idea was floated at CNN-IBN, the Delhi-based English National News channel that I am a part of, I was cautiously optimistic about what we were getting into. Of course, I smelled very accurately and very soon that it would mean a whole lot of work, but I'll spare you those details (What do I matter, I'm only No.1 Billion in the Greatest Indian list anyway)

But alongside the work, it also got us all thinking.... the Greatest Indian... WHO could it be?

Sachin Tendulkar? Amitabh Bachchan? Dev Anand, RD Burman... AR Rehman... Satyajit Ray? Were we talking about popularity... celebrity...? Maybe..But then, what about Genius... such as Ramanujan.. Vikram Sarabhai... Amartya Sen.. Vishwanathan Anand? Maybe..But then.. What about Social Activists like Mother Teresa, Baba Amte, Vinoba Bhave... ?? What about wealth creators like JRD Tata, Dhirubhai Ambani, and Narayanmurthy??

And... WHAT about our political leaders... Manmohan Singh (ok, I hear some laughs)... Sonia and Rajiv Gandhi (umm.. great??) Laloo Yadav, Zail Singh, Mamata Banerjee, Mayavati... (More laughs)? Not so laughable.. When you get to genuine political giants like Nehru, Patel, Ambedkar... Bose, C.Rajagopalachari... Lohia, JP, Indira Gandhi (yes, inspite of the Emergency and her follies in Punjab, I do consider her 'great') Hmmm... tricky!!

AND... let me further complicate life by asking... WHERE do we slot Mahatma Gandhi? Does Sachin or even Nehru... get to compete with him? He is our truly world-class (and I will shortly bring your attention to at least 1 more) 'GREAT'... who would surely be our Gold Medal hope in 'World's Greatest' Olympics... or at least a strong contender for the Silver, after a certain Jesus Christ!! (ok, i see some flags going up... e.g.: fans of Mohammed. For the record, he would be my choice for Bronze medal winner)

So... so many great names... so many ideas of greatness. The natural AND central question to ask is - WHAT IS GREATNESS? WHO IS GREAT??

The soundest intellectual answer is this - A person who has ALL those incredible qualities of Genius, Compassion, Leadership in great quantities... who has IMPACTED the MOST lives to the GREATEST degree... AND who's life contribution stands the TEST of TIME... !! Think about it... this does really cover ALL the bases... and IF you use this yardstick, you are unlikely to make too many wrong choices as you make your list of the Greats in your office or your town, or country or world.

It's a very clever definition... 'cos it allows you to include Sachin Tendulkar.. a genius at his game. It allows you to include Mother Teresa... the epitome of compassion... and of course it allows you to include incredible leaders like Nehru. They ALL will stand the test of time. They ALL had IMPACT... in their own way. The cleverness of this definition really sank in when the eminent jury of 28 'fairly-currently-significant' Indians started being really horrid to sportsmen and creative artistes. Why should Milkha Singh even think of being compared with Sardar Patel, who united this nation? How dare MF Husain try to compare himself with Dr Ambedkar, the emancipator of millions of Dalits? Of course Milkha Singh's achievements will get a much much smaller mention in history books compared to the Iron Man of India... but this child of partition, who saw his family hacked to death,

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Has anything to share - We are all ears!!! Please send in your articles to: qualitimes@qualitreeinc.com

Unit Testing - Part 3 : Extreme Programming Method

Note that the test for the add() method is called addTest(). This convention will enable our complete test harness suite, to check whether all required methods of the production class Relation have in fact been tested.

Another thing to note is that when the test finds an error, it fails with an assertion, rather than by just returning false. Using an assertion we get a stack trace that accompanies an assertion failure indicating its location to the line, which is really useful for fixing the problem.

Our test for add() makes use of a few other production class methods, such as size(), domain(), and so on. This is often unavoidable. Hence, we will need to provide non-trivial implementations of these in the production class, before the test for add() can be executed. That is, we will have to do a certain amount of bootstrapping. This is in effect swapping between the implementations of RelationTest and Relation before the full test and production classes are completed.

One reason we prefer to write the test for a method before the method itself is that writing the implementation tends to limit our approach to testing. The most effective tests come about when we really try hard to break the code we're testing. But nobody wants to break something that they have just created. If we write the tests first though, then it is as if we are creating a challenge for our method implementation to overcome, and we tend to feel happier about working this way.

In this article we have seen an example of how to write an extreme unit test, and that our ideal of writing the tests for a class before the class itself will normally involve some degree of bootstrapping with handsome payoff in terms of production quality.

(Continued from Page 1...)

fought poverty, fought the complete absence of any support system that a budding athlete needs... came 4th in a 400m race.. an event, a sport in which EVERY country competes (not cricket which barely a dozen countries play, or hockey, or table tennis or badminton, that just a few play or an expensive, exclusive sport like Fencing or Golf or Tennis) all this way back in 1964!!! 50 years later... NO Indian athlete is anywhere near achieving the same. At the risk of being controversial... let me say.. IF not Patel, someone else would have united the princely states... simply because they were past their 'sell-by' date. He was the individual who got credit for something that HAD to happen. BUT ONLY Milkha Singh could do what he did.. which is why it hasn't happened again... Doesn't that make him TRULY GREAT!?!? There will never be another Husain, another RK Laxman, another Premchand, another Tagore, another MS Subbalaxmi, another Manto, another Amrita Shergill, another Satyajit Ray... or another Sachin Tendulkar !

I truly believe their Greatness is nothing less, than that of a Pandit Nehru. As proud Indians we MUST embrace these GREATS!

Another definition, a bit lighter on the mind, but apt enough.. Suggested by none other than Amitabh Bachchan, who was our Chief Guest at the CNN-IBN Grand Finale of The Greatest Indian (apart from being No.11 in our list of Great Indians after 1947), is this - anyone, the thought of

whom, or the thought of who's achievements, brings a smile to your face and makes your chest swell with pride... IS clearly GREAT! Think about it... It really does fit everyone whom you would call great.. And that would include Nehru, Sachin, and Mom!

But there are awkward exceptions to this definition too... WHERE would you place Bhagat Singh, Chandrashekhar Azad or Veer Savarkar?? To be hung to death at an age when most of us are just starting our lives... to welcome that fate... just for the love of the country... where would you and i place this? Above Nehru, below Nehru?? To embrace death in deference to an abstract notion of patriotism... HOW does one even START to evaluate the GREATNESS of that?? My channel was able to side-step this conundrum as well, as our search was 'after the Mahatma', 'after 1947'... but surely you and I should have a clear take on it. Think about it and then mail me back at - rohit.khanna@networ18online.com - i would really like to hear and read as many views on this as is possible. Its a question thinking Indians MUST answer.

And here's my list of The 10 Greatest Indians IF we removed ALL time limits - in no particular order (sorry, chickening out!) -

GAUTAM BUDDHA	MAHAVIRA
EMPEROR ASHOKA	PRITHVIRAJ CHAUHAN
KALIDASA	AKBAR
GURU NANAK	KABIR
TAGORE	MAHATMA GANDHI
Sorry SACHIN...	

(Rohit Khanna is an executive producer at CNN-IBN, India and has earned fame for his sincere writings)



August 2012
Devraj K



- For an outstanding performance in the responsibilities held, Devraj Kanti was chosen as the star of the month for August - 2012.
- We sincerely appreciate and thank Devraj for providing us with our regular dose of Fascinating facts and trends in the Mobile World.



Devraj K - The Star for August 2012

Let the peace of God reign chords



A holy moment @ Qualitree - Sri Guru Granth Sahib's Blessings, Sukhmani Sahib Paath and Kirtan, followed by Langar (Community Kitchen). Qualifiers offered their prayers for world peace & a tribute to the souls of the Sikhs killed in Oak Creek, WI, USA.

Shabeel (cool sweet water) was organized near Qualitree's Bangalore office and served to more than 2000 people for world peace.



Surendra K, Atul K, Bharath R & Bharath H serving cool sweet water in Bangalore.

Punches, pulls and bumps!!

- Sept 8 - Amit C
- Sept 9 - Jacob B
- Sept 15 - Prabhjot B
- Sept 18 - Pradeep Y
- Sept 22 - Brian T
- Sept 26 - Rohan P
- Sept 29 - Vishwa M
- Sept 30 - Ashwini S



Qualitimes wishes Preetu P, Ramesh Anna, Ravi Raj & Srikanth M a very Happy and prosperous B'day

Go High - Get Higher



A Sparkling Evening @ Qualitree, Bangalore. It was definitely a high evening with lots of fun.
(L-R: Charanjeet M, Harpreet M, Jaspreet G and Surinder P)

JUMBLE

CELUR



CMHOA



TNMIA



OPPL



YPSA



Participate and win; the first correct entry wins a gift of \$10.00*.

Send in your completed entries to:
jumble_qualitimes@qualitreeinc.com



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LOL



He told me **"Never say never!"**.
But he just said never... Twice!!

War does not determine who is
right - only who is left.

Money can't buy happiness, but it
sure makes misery easier to live
with.

Is it true that word **STUDYING**
was derived from **STUDENTS**
DYING?

Answers to last month's Jumble:

- FINCH
- NAIVE
- VAULT
- GAIT
- STIFF

Last Month's Winner:
Satyajit S.

Other correct entries:
Srikanth K, Annavi K, Shashank S,
Brajesh M, Devraj K, Swetha K,
Rakesh B, Sarabjit K, HariKrishna,
Rajendra M.

Answers to last month's Word
Puzzle:

- DISCORD
- EVINCE
- ARIA
- DREAD
- KNACK

Last month's winner:
Brajesh M.

Other correct entries:
Swetha K., HariKrishna, Devraj
K., Rajendra M., Sarabjit K.

BUZZ OF THE MONTH

- We had Sri Guru Granth Sahib's blessings on our office on Saturday, 11th August. After Sukhmani Sahib Paath and Kirtan, there was Langar (community kitchen) served all who were available. Shabeel (cool sweet water) was organized and served to more than 2000 people with a prayer for world peace and may the souls of the Sikhs killed in Oak Creek, WI, USA rest in peace.
- Qualitree has signed a multi - year contract with leading Bangalore based consulting company for providing resource augmentation offerings.
- Qualitree successfully organized and delivered a TTCN-3 training program for IBM.
- Pantaloon Retail (India) Limited- a large India retailer, part of the future group has partnered with Qualitree for delivering testing tools of HP and ZAP Technologies.

Word Puzzle

In the following word puzzles, a word starts and ends with the same letter. Figure out the words and win*

1	_ A I _	
2	_ P E C I O U _	
3	_ G O R _	
4	_ E U T R O _	
5	_ A R D I A _	

* Send in your entries to "qualitimes@qualitreeinc.com" with the subject "Word Puzzle"
The first correct entry wins a gift of \$10.00