

# Interview

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## 1. Choice of Interviewee

I have chosen Kunal Singla as my interviewee. He is a friend of mine who is pursuing MSc(Mathematics Hons) from IIT Delhi. I chose him because of his knowledge and interest in mathematics and his qualifications speak for itself. Moreover, he is a tech savvy person who is always interested in new applications.

## 2. Interview Questions and Answers

**Question 1) Could you state your name and your qualifications please ?**

Answer 1) My name is Kunal Singla. I have done BSc(Mathematics Hons) from Punjab University, Chandigarh, India and I am currently pursuing my MSc(Mathematics Hons) from IIT, Delhi.

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**Question 2) Are you aware about the reason and goal of this interview ?**

Answer 2) Yes. I believe you are designing a calculator that computes the value of Euler numbers and the purpose of this interview is to gather information about the functionalities and general design for such a calculator from a users perspective .

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**Question 3) Should the layout of the calculator be the same as the generic type or would you like some modifications done to it?**

Answer 3) Yes I would like the layout to be same as I am very used to using a generic calculator and it would be best if no major changes were done to it.

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**Question 4) Apart from the basic mathematical operations, what other operations would you like to have that would complement the irrational number?**

Answer 4) It would be great to have a few functions of a scientific calculator, but none in particular.

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**Question 5) In what specific areas of your studies would you use this calculator?**

Answer 5) Euler's number is used in various areas of mathematics such as calculus, differential equations, discrete mathematics, trigonometry, complex analysis, statistics.

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**Question 6) Do you want the calculator to solve any trigonometric functions ?**

Answer 6) No.

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**Question 7) What operations would like to be done automatically by just pushing a key?**

Answer 7) Euler's number is very useful in calculating compound interest. So it might be useful to have a button to calculate that.

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**Question 8) Can you think of any other irrational number that can be combined with the Euler's number for some common problems?**

Answer 8) Yes, as a matter of fact Euler's number is an integral part of a calculation involving Guassian Integral, so it would be good if the calculator could also compute the Guassian Integral.

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