

## Previous HTC Global Services Technical Questions

1) Write a program to calculate the following

$1+4+9+16+\dots+100$

Like this  $(1^2+2^2)$

Hint use function `pow(a,b)`

2) In a college library fines are issued according to the following condition

If return books exceeds the due date

Up to 5 days 20rs fine

6-10 days 50rs fine

>10 days 100rs fine

More than 30 days membership will be cancelled

Get the due date from the user and calculate

3) Get a n0. From user and display it's prime factor

Example 24 is 2,2,2,3 and 55 is 5,11

4) Write a function to get a string and reverse it and display the string

5) A function to book online exam

Online exam (string exam name, int feespaid, string location)

Ocp

5000

Scjp

5500

Linux

10000

Jcp

6000

Location Chennai, Bangalore

Write a fn. To get those details and verify it and display a registration ID

6) Write any data structure program (stack implementation) 7) A financial company have the data's in the database

1st column no.

2nd column no. of employees

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3rd column annual turn over

Each row is a separate unit

1		
22		
250000		
2		
23		
260000		
3		
32		
300000		
4		
30		
400000		
5		
25		
350000		

Make a analysis and give the find

1) In which unit u have to improve the turn over

2) Where we can add a employee in any one of the unit

8) Erite a program to get the user name and age

Condition:

The name should be more than six characters and it shouldn't contain any other characters than alphabet(like !, @, #, \$, ^, & these are not to be present)

The age of the employee must between 18-35

9) Fibbonacci series

10) Write a program to get a string and replace with the mentioned string

Example given string "dinesh" replace with "rame" and display it as "ramesh"

11) Data structure(stack implementation)

12) Write a program to add the following

$\frac{1}{4} + \frac{2}{4} + \frac{3}{4} + \frac{5}{3} + \frac{6}{3} + \dots$