

Previous Year HTC Global Services Sample Questions

Q1. Write a program to get a number from user and display its prime factor.
Example 24 is 2,2,2,3 and 55 is 5, 11

Q2. A function to book online exam:

Online exam (string exam name, int fees paid, string location)

Ocp 5000
Scjp 5500
Linux 10000
Jcp 6000

Location Chennai, Bangalore

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

Q3. Write a program to add the following:

$1/4 + 2/4 + 3/4 + 5/3 + 6/3 + \dots$

(Like up to any 12 numbers)

Q4. 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)`

Q5. Write a function to get a string and reverse it and display the string.

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Q6. 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.

Q7. 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.

Q8. Write a program to get the user name and age.

Condition:

1. The name should be more than six characters and it should not contain any other characters than alphabet (like !, @, #, \$, ^, & these are not to be present)
2. The age of the employee must between 18 -35.

Q9. A financial company have the datas in the database

1st column - number
2nd column - number of employees
3rd column - annual turn over

Each row is a separate unit

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

Make an analysis and find

- 1) In which unit you have to improve the turn over?
- 2) Where we can add an employee in any one of the unit?

Q10. Write any data structure program (stack implementation).