

Sapient Sample Paper

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Company : Sapient

Date :

College :

Instruction :

1. You have to write code for the following program.
2. You can use any language but (java , c++ preferable)
3. Do not write any input function or main function.
4. Please complete feed back form
5. Make required assumption.
6. Do write comment where necessary.
7. Follow flowchart and algorithm if required.

Program 1.

Reservation.

there are 67 seats in train . there are only 5 seats in a row and in last row there are only 2 seats.

One person can reserve only 5 seat at a time.

If person reserving seat , the care is taken that he may get all in row. if seats are not available in row then the arrangement is so that person group get nearby seats.

the following class is given

```
public class seat
{
char name;
int seat;
boolean isSeatempty
}
```

1. Draw required class diagram and object diagram.
2. Write function seatallot(int noofperson)
to allocate seat with seat number printed for the each name.

Program 2.

Stringreplace

The forum is going on and administrator find that some people use abusing or

bad language in discussion. so he decided that when he uses such language it was replaced with beep.

question:

1. draw class diagram, and use appropriate data structure.
2. write function `replacestring()`