Q1. Write a java Program to create a Employee class and perform following Operations

```
class Employee{
String name;
int empno;
float sal;
//Member Data
void acceptData(){}
void showData(){}
double getHRA(){}
double getDA(){}
double getTA(){}

double grossSalary(){}

double getTotalIncentive(){}
```

```
public static void main(String args[]){
Employee e=new Employee();
e.acceptData();
e.showData();
sop("HRA : "+e.getHRA());
sop("DA : "+e.getDA());
sop("TA : "+e.getTA());
sop("All Incentive : "+e.getTotalIncentive());
sop("Gross Salary : "+e.getgrossSalary());

 }
```

Q2. Explain Access Specifier in Java Programming?

Ans: Access Specifier can specify the scope of member data, member function, class and interface

There are 4 access specifier available in java

1. **private:** It can access only inside the class

Recommended for : member data

2. **public:** It can access anywhere

Recommended: Member Function,constructor, Class, interface

3. **protected:** It can access inside the package and its child class

Recommended: Member data

4. **default**(No Access Specifier is by default =default) It can access only inside particular package/folder/directory

Access specifier	Inside	Inside package	Child Class	Outside world
private	YES	NO	NO	NO
public	YES	YES	YES	YES
protected	YES	YES	YES	NO
default	YES	YES	YES	NO

Q2. Explain Constructor in java Programming?
Ans:
Constructor is a special member function in a class it is used to initialize a user defined data type

Rules
1. A class Name and Constructor Name must be same
2. A constructor does not have any return type even void
3. A class can have more than one constructor it means constructor can be overloaded
4. A constructor cannot be override
5. A constructor cannot be static
6. If we does not write any constructor then compiler automatically add a default constructor
7. If we write any constructor in a class then compiler will not add any type(default or parameterized) constructor
8. Constructor is automatically called when object created by new

Task of Constructor

1. Allocate memory of all member data (HEAP)
2. Assign default value to the member data based on default value

Note:

1. Java Does not support Destructor
2. Garbage collector always destroy the un allocated memory from the heap

Types of Constructor

In java 2 types constructor is available

1. Default Constructor (Parameter less)
2. Parameterized Constructor
