

# 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

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## 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
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