

## July-25 Assignment

### Question 5

```
import java.util.Scanner;

public class Main
{
    int Id;
    String Name;
    int Age;
    long Salary;

    void GetData()    // Defining GetData()
    {

        Scanner sc = new Scanner(System.in);

        System.out.print("\n\tEnter Employee Id : ");
        Id = Integer.parseInt(sc.nextLine());

        System.out.print("\n\tEnter Employee Name : ");
        Name = sc.nextLine();

        System.out.print("\n\tEnter Employee Age : ");
        Age = Integer.parseInt(sc.nextLine());
```



```

        System.out.print("\n\tEnter Employee Salary : ");

        Salary = Integer.parseInt(sc.nextLine());

    }

    void PutData()        // Defining PutData()
    {
        System.out.print("\n\t" + Id + "\t" +Name + "\t" +Age + "\t" +Salary);
    }

    public static void main(String args[])
    {

        System.out.println("Author:T. ISWARYA\nSAP ID:51834773");

        Main[] M = new Main[10];

        int i;

        for(i=0;i<10;i++)

            M[i] = new Main(); // Allocating memory to each object

        for(i=0;i<10;i++)
        {

            System.out.print("\nEnter details of "+ (i+1) +" Employee\n");

```



```
        M[i].GetData();
    }

    System.out.print("\nDetails of Employees\n");
    for(i=0;i<3;i++)
        M[i].PutData();

    }
}
```



### Question 3:

```
abstract class Bank
{
    abstract int getBalance();
}

class BankA extends Bank
{
    int deposit=100;
    int getBalance()
    {
        return deposit;
    }
}

class BankB extends Bank
{
    int deposit=150;
    int getBalance()
    {
        return deposit;
    }
}

class BankC extends Bank
{
    int deposit=200;
```



```
int getBalance()
{
    return deposit;
}

class Main
{
    public static void main(String args[])
    {
        System.out.println("Author:T. Iswarya \nSAP ID:51834773");

        //object for Bank A
        BankA i=new BankA();
        System.out.println("Balance in Bank A: "+i.getBalance());

        //object for Bank B
        BankB j=new BankB();
        System.out.println("Balance in Bank B: "+j.getBalance());

        //object for Bank C
        BankC k=new BankC();
        System.out.println("Balance in Bank C: "+k.getBalance());

    }
}
```



Output:

```
x Terminal
```

```
Author:T. Iswarya  
SAP ID:51834773  
Balance in Bank A: 100  
Balance in Bank B: 300  
Balance in Bank C: 200  
  
Process finished.
```



## Question1:

```
public class Main
{
    public static long factorial(int i)
    {
        return (i < 1) ? 1 : i * factorial(i - 1);
    }

    public static void main(String[] args)
    {
        System.out.println("Author: T.
        Iswarya\nSAP ID:51834773");

        int i = 5;

        System.out.println("The Factorial of "
```




```
+ i + " is " + factorial(i));
```

```
}
```

```
}
```





```
× Terminal   
Author: T. Iswarya  
SAP ID:51834773  
The Factorial of 5 is 120  
  
Process finished.  
|
```



