

## 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());
    }
}
```



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```

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();  
  
}  
}
```



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**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;
```



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```
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());
    }
}
```



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## 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.
```



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## 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 "
```



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

```
}
```

```
}
```



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x Terminal



```
Author: T. Iswarya  
SAP ID:51834773  
The Factorial of 5 is 120
```

```
Process finished.
```



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