

OOP LAB

Tamojit Das ; Sec: A ; Roll: 7; Grp: C1

Assignment 2

Question 1:

```
import java.util.Scanner;

class P1
{
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter x y: ");
        int x=sc.nextInt();
        int y=sc.nextInt();
        if (x>0){
            if (y>0){
                System.out.println("quadrant 1");
            } else {
                System.out.println("quadrant 4");
            }
        } else {
            if (y>0){
                System.out.println("quadrant 2");
            } else {
                System.out.println("quadrant 3");
            }
        }
    }
}
```

```

}

}

}

```

```

P1.java — C:\Users\TAM0JIT\Desktop\OOP Lab — Atom
File Edit View Selection Find Packages Help
Project P1.java
OOP Lab
  Assign
  P1.java
  P1.java:9: error: cannot find symbol
    int y=sc.nextInt();
    ^
  symbol:   class Int
  location: class P1
  Test: 2 errors
  Test: C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P1.java
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P1
  Enter x y:
  1 2
  1
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P1
  Enter x y:
  1 2Exception in thread "main"
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P1.java
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P1
  Enter x y: -1 1
  quadrant 2
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P1
  Enter x y: -1 -1
  quadrant 3
  C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>
  26 }
  27
Assignment 2\P1.java 20:39
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```

Question 2:

```
import java.util.Scanner;
```

```

class P2{

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.print("Enter: ");

        char x=sc.next().charAt(0);
    }
}

```

```
switch(x){  
    case 'a':  
    case 'A':  
        System.out.println("Action movie fan");  
        break;  
    case 'c':  
    case 'C':  
        System.out.println("Comedy movie fan");  
        break;  
    case 'd':  
    case 'D':  
        System.out.println("Drama movie fan");  
        break;  
    default:  
        System.out.println("Invalid choice");  
    }  
}  
  
}
```

Question 3:

```
import java.util.Scanner;
```

```
class P3{  
  
    public static void main(String[] args) {  
  
        Scanner sc=new Scanner(System.in);  
  
        System.out.print("Enter Salary Merit");  
  
        int salary=sc.nextInt();  
  
        int merit=sc.nextInt();  
  
  
        if (salary>500 && salary<600){  
  
            System.out.println("Grade C");  
  
        }  
  
        else if (salary>600 && salary<649 && merit<10){
```

```
        System.out.println("Grade C");
    }
    else if (salary>600 && salary<649 && merit>10){
        System.out.println("Grade B");
    }
    else if (salary>649 && salary<700){
        System.out.println("Grade B");
    }
    else if (salary>700 && salary<799 && merit<20){
        System.out.println("Grade B");
    }
    else if (salary>700 && salary<799 && merit>20){
        System.out.println("Grade A");
    }
    else if (salary>799){
        System.out.println("Grade A");
    }

}
}
```

P3.java — C:\Users\TAM0JIT\Desktop\OOP Lab — Atom

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Project P1.java P2.java P3.java

OOPLab

- AssigAction movie fan
- AssigInvalid choice

```
C:\Windows\System32\cmd.exe
C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P2.java
C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P2
Enter: c
Comedy movie fan
Drama movie fan
Invalid choice

C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P2.java
C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P2
Enter: c
Comedy movie fan

C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P3.java
P3.java:16: error: illegal start of expression
    else if (salary>600 && salary<649 %%% merit>10){
                                   ^
1 error

C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>javac P3.java
C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>java P3
Enter Salary Merit800 30
Grade A

C:\Users\TAM0JIT\Desktop\OOP Lab\Assignment 2>
```

```
31
32
33 }
34 }
35
```

Assignment 2\P3.java 16:41

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