OOP LAB

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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");
   }
```

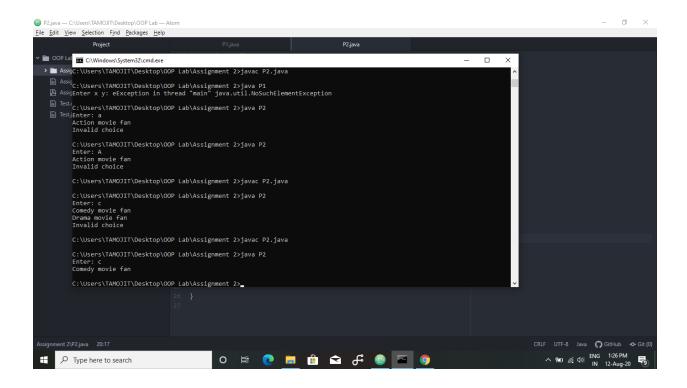
```
}
}
}
```

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){</pre>
```

```
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");
  }
}
}
```

