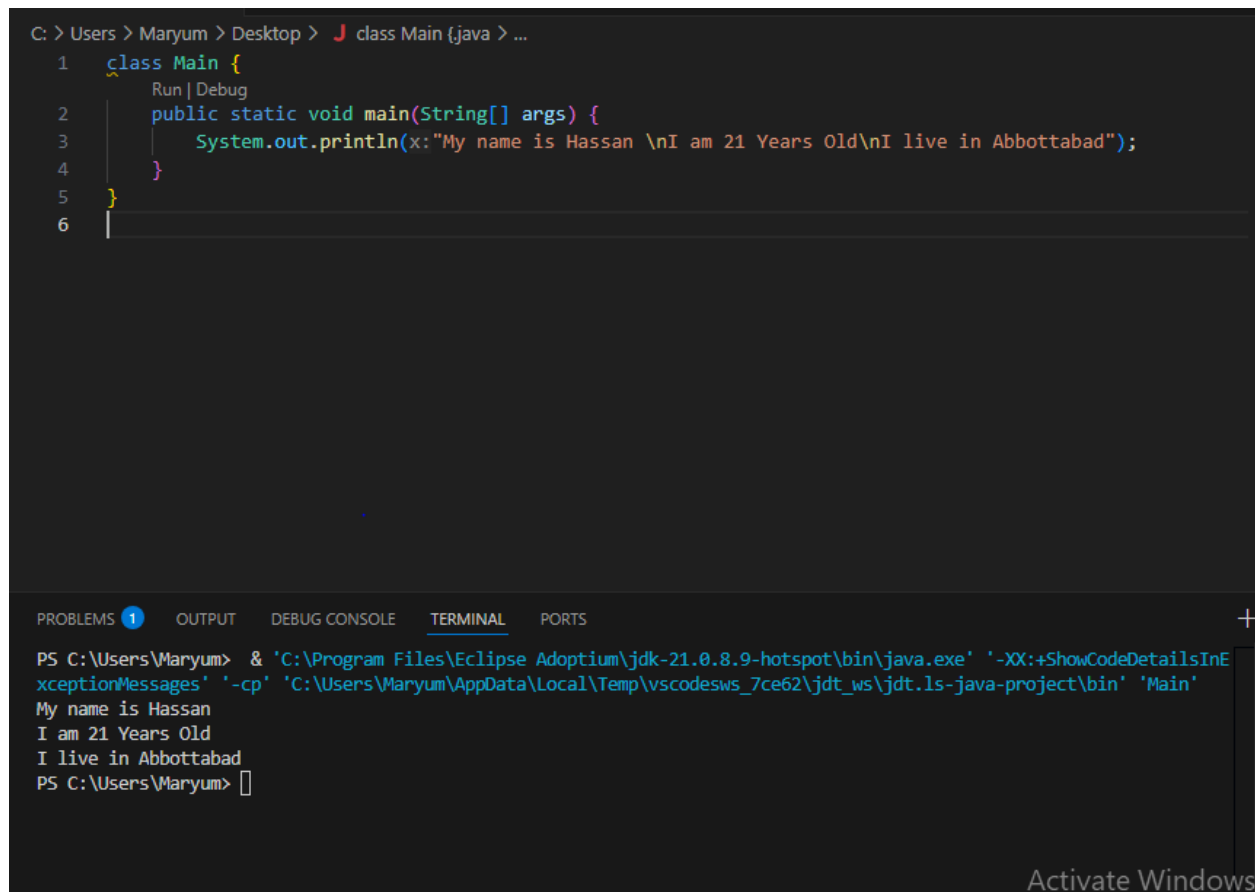


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Reg#-FA24-BSE-102

Course-OOP Date-6/9/25

Q1-Program To print Name, Age, City?



The screenshot shows a Java IDE with a dark theme. The top pane displays a Java class named 'Main' with a 'main' method. The code is as follows:

```
1 class Main {  
2     public static void main(String[] args) {  
3         System.out.println(x:"My name is Hassan \nI am 21 Years Old\nI live in Abbottabad");  
4     }  
5 }  
6
```

The bottom pane shows the terminal output of the program. The command executed is:

```
PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_7ce62\jdt_ws\jdt.ls-java-project\bin' 'Main'
```

The output of the program is:

```
My name is Hassan  
I am 21 Years Old  
I live in Abbottabad  
PS C:\Users\Maryum>
```

An 'Activate Windows' watermark is visible in the bottom right corner of the terminal window.

Q2-Find Even Or Odd?

```
C: > Users > Maryum > Desktop > J class Main (java > ...
1  import java.util.Scanner;
2  class Main {
    Run | Debug
3      public static void main(String[] args) {
4          System.out.println(x:"Enter A Number");
5          Scanner sc = new Scanner(System.in);
6          int num=sc.nextInt();
7          if(num%2==0){
8              System.out.println(num+" Is Even");
9          }
10         else if(num%2!=0){
11             System.out.println(num+" Is Odd");
12         }
13     }
14 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS Run: Main + v

```
PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_2eb75\jdt_ws\jdt.ls-java-project\bin' 'Main'
Enter A Number
4
4 Is Even
```

Q3-Simple Calculator

```
C: > Users > Maryum > Desktop > J class Main (java > Main
1  import java.util.Scanner;
2  class Main {
    Run | Debug
3      public static void main(String[] args) {
4          Scanner sc = new Scanner(System.in);
5          System.out.println(x:"Choose Operation +,-,*,/");
6          char operation=sc.next().charAt(index:0);
7          System.out.println(x:"Enter Numbers");
8          int num1=sc.nextInt();
9          int num2=sc.nextInt();
10         if(operation=='+'){
11             System.out.println((num1+num2)+" Is the Sum");
12         }
13         else if(operation=='-'){
14             System.out.println((num1-num2)+" Is the Difference");
15         }
16         else if(operation=='*'){
17             System.out.println((num1*num2)+" Is the Product");
18         }
19         else if(operation=='/'){
20             System.out.println((num1/num2)+" Is the Quotient");
21         }
22     }
23 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS Run: Main + v ... | [] X

```
PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_2eb75\jdt_ws\jdt.ls-java-project\bin' 'Main'
Choose Operation +,-,*,/
+
Enter Numbers
2
5
7 Is the Sum
PS C:\Users\Maryum>
```

Q4-Temp Convert From Celsius To Farhenheit

```
C:\Users\Maryum\Desktop> javac class Main (java) > ...  
1  import java.util.Scanner;  
2  class Main {  
3      public static void main(String[] args) {  
4          Scanner sc = new Scanner(System.in);  
5          System.out.println("Enter Temp In Celsius");  
6          Float temp=sc.nextFloat();  
7          float farhenheit=((9/5)*temp)+32;  
8          System.out.println(farhenheit + " Is temp in Farhenheit");  
9      }  
10 }
```

Run | Debug

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessage' '-cp' 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_2eb75\jdt_ws\jdt.ls-java-project\bin' 'Main'

Enter Temp In Celsius
100
132.0 Is temp in Farhenheit

Q5-Largest Of Three Numbers

```
C: > Users > Maryum > Desktop > J class Main (java > ...  
1  import java.util.Scanner;  
2  class Main {  
    Run | Debug  
3      public static void main(String[] args) {  
4          Scanner sc = new Scanner(System.in);  
5          System.out.println("Enter Three Numbers");  
6          int num1=sc.nextInt();  
7          int num2=sc.nextInt();  
8          int num3=sc.nextInt();  
9          if(num1>num2 && num1>num3){  
10             System.out.println(num1 + " Is The Largest");  
11         }  
12         else if(num2>num3){  
13             System.out.println(num2 + " Is The Largest");  
14         }  
15         else{  
16             System.out.println(num3 + " Is The Largest");  
17         }  
18     }  
19 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS Run: Main + - [] [X]

```
PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_2eb75\jdt_ws\jdt.ls-java-project\bin' 'Main'  
Enter Three Numbers  
67  
57  
99  
99 Is The Largest  
PS C:\Users\Maryum>
```

Q6-Week Days Using Switch

```
1  import java.util.Scanner;
2  class Main {
3      Run | Debug
4      public static void main(String[] args) {
5          Scanner sc = new Scanner(System.in);
6          System.out.println(x:"Enter Number 1-7");
7          int op=sc.nextInt();
8          switch(op){
9              case 1:
10                 System.out.println(x:"Sunday");
11                 break;
12                 case 2:
13                     System.out.println(x:"Monday");
14                     break;
15                     case 3:
16                         System.out.println(x:"Tuesday");
17                         break;
18                         case 4:
19                             System.out.println(x:"Wednesday");
20                             break;
21                             case 5:
22                                 System.out.println(x:"Thursday");
23                                 break;
24                                 case 6:
25                                     System.out.println(x:"Friday");
26                                     break;
27                                     case 7:
28                                         System.out.println(x:"Saturday");
29                                         break;
30                                         default:
31                                             System.out.println(x:"Invalid I/P");
32                                             break;
```

```
3 public static void main(String[] args) {  
4     Scanner sc = new Scanner(System.in);  
5     System.out.println(x:"Enter Number 1-7");  
6     int op=sc.nextInt();  
7     switch(op){  
8         case 1:  
9             System.out.println(x:"Sunday");  
10            break;  
11            case 2:  
12                System.out.println(x:"Monday");  
13                break;  
14                case 3:  
15                    System.out.println(x:"Tuesday");  
16                    break;  
17                    case 4:  
18                        System.out.println(x:"Wednesday");  
19                        break;
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Maryum> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.8.9-hotspot\bin\java.exe' -cp 'C:\Users\Maryum\AppData\Local\Temp\vscodesws_2eb75\jdt_ws\jdt.ls-java-pro  
Enter Number 1-7  
5  
Thursday
```

Q7-Student Grade Calculator

```
src 7 AppJava > ...
1  import java.util.Scanner;
2  class Main {
    Run | Debug
3      public static void main(String[] args) {
4          Scanner sc = new Scanner(System.in);
5          System.out.println(x:"Welcome To Grade Calculator");
6          System.out.println(x:"Enter Quiz Marks out of 15");
7          int quiz=sc.nextInt();
8          System.out.println(x:"Enter Assignment Marks out of 10");
9          int assignment=sc.nextInt();
10         System.out.println(x:"Enter Midterm Marks out of 25");
11         int midterm=sc.nextInt();
12         System.out.println(x:"Enter FinalTerm Marks out of 50");
13         int finalterm=sc.nextInt();
14         int total=quiz+assignment+midterm+finalterm;
15         float average=total;
16         System.out.println("Total Marks =" + total);
17         System.out.println("Average=" + average);
18         char grade;
19         if(total>=85){
20             grade='A';
21         }
22         else if(total>=70){
23             grade='B';
24         }
25         else if(total>=50){
26             grade='C';
27         }
28         else {
29             grade='F';
30         }
31         System.out.println("Grade="+grade);
32     }
```

Activate Windows
Go to Settings to activate Windows

```
14     int total=quiz+assignment+midterm+finalterm;
15     float average=total;
16     System.out.println("Total Marks =" + total);
17     System.out.println("Average=" + average);
18     char grade;
19     if(total>=85){
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Enter Quiz Marks out of 15
14
Enter Assignment Marks out of 10
8
Enter Midterm Marks out of 25
23
Enter FinalTerm Marks out of 50
45
Total Marks =90
Average=90.0
Grade=A

D:\C++\Users\Manvun\Desktop\manvun_t\java>

Q8-Pizza order Simulator


```
import java.util.Scanner;
class Main {
    Run | Debug
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println(x:"Welcome To Pizza Rest");
        System.out.println(x:"Enter Pizza Size");
        System.out.println(x:"1-Small");
        System.out.println(x:"2-Medium");
        System.out.println(x:"3-Large");
        String size=sc.next();
        int price=0;
        String pepperoni;
        String cheese;
        switch (size){
            case "Small":
                price=100;
                System.out.println(x:"Do you Want Peperoni?");
                pepperoni=sc.next();
                if(pepperoni.equalsIgnoreCase(anotherString:"Yes")){
                    price+=30;
                }
                System.out.println(x:"Do you Want Extra Cheese?");
                cheese=sc.next();
                if(cheese.equalsIgnoreCase(anotherString:"Yes")){
                    price+=20;
                }
                break;
            case "Medium":
                price=200;
                System.out.println(x:"Do you Want Peperoni?");
                pepperoni=sc.next();
```

```

30 public static void main(String[] args) {
31     pepperoni=sc.next();
32     if(pepperoni.equalsIgnoreCase(anotherString:"Yes")){
33         price+=50;
34     }
35     System.out.println(x:"Do you Want Extra Cheese?");
36     cheese=sc.next();
37     if(cheese.equalsIgnoreCase(anotherString:"Yes")){
38         price+=20;
39     }
40     break;
41     case "Large":
42         price=300;
43         System.out.println(x:"Do you Want Peperoni?");
44         pepperoni=sc.next();
45         if(pepperoni.equalsIgnoreCase(anotherString:"Yes")){
46             price+=50;
47         }
48         System.out.println(x:"Do you Want Extra Cheese?");
49         cheese=sc.next();
50         if(cheese.equalsIgnoreCase(anotherString:"Yes")){
51             price+=20;
52         }
53         break;
54     default :
55         System.out.println(x:"Enter Correct Size With First letter Capital");
56     }
57     System.out.println("Your Bill is....."+price+"$");
58 }
59 }
60 }

```

Activate Windows

Go to Settings to activate Windows.

```

Welcome To Pizza Rest
Enter Pizza Size
1-Small
2-Medium
3-Large
Medium
Do you Want Peperoni?
yes
Do you Want Extra Cheese?
yes
Your Bill is.....270$

```