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Section: bscs 5

### Lab task 1

## Q1:

```
<mark>import java.util.Scanner;</mark>//TIP To <b>Run</b> code, press <shortcut
   public static void main(String[] args) {
       Scanner obj=new Scanner (System.in);
    System.out.println("Enter number : ");
    System.out.println("number: "+apple);
    if(apple>50 && apple%5==0){
    else if(apple>50 && apple%5!=0){
         System.out.println("number is greater and not multiple of 5");
    else if(apple<50 && apple%5!=0){</pre>
         System.out.println("error");
```

code output:

# Q2:

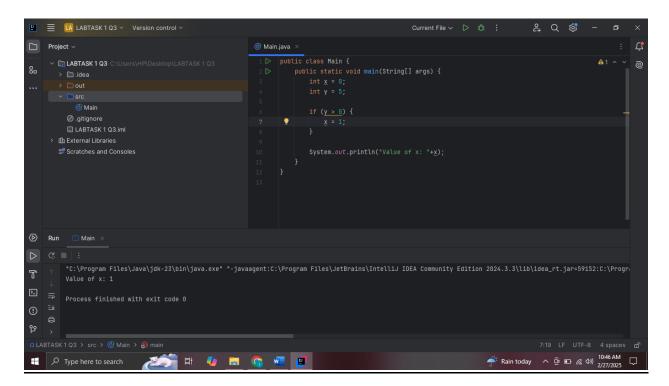
code output:

# Q3:

```
public class Main {
   public static void main(String[] args) {
      int x = 0;
      int y = 5;

      if (y > 0) {
          x = 1;
      }

      System.out.println("Value of x: "+x);
   }
}
```



# <u>Q4 :</u> code :

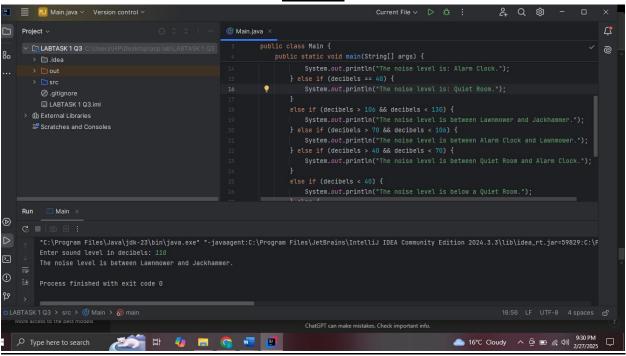
```
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                                              public class Main {

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                                                                                                                @
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                                                public static void main(String[] args) {
        @ Main
      LABTASK 1 Q3.iml
     Enter score: 94
      Enter current pay: 1000
      Score is greater than 90. Pay increased by 3%
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```

# Q5:

```
}
else if (decibels < 40) {
         System.out.println("The noise level is below a Quiet Room.");
} else {
         System.out.println("The noise level is above a Jackhammer.");
}
}
}
</pre>
```



# Q 8:

```
import java.util.Scanner;

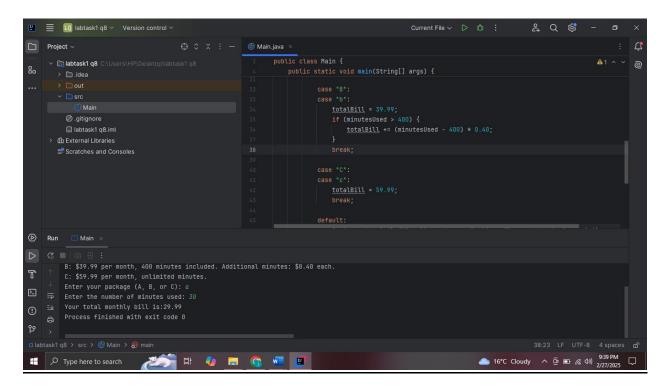
public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Mobile Service Provider Packages:");
        System.out.println("A: $29.99 per month, 200 minutes included.

Additional minutes: $0.45 each.");
        System.out.println("B: $39.99 per month, 400 minutes included.

Additional minutes: $0.40 each.");
        System.out.println("C: $59.99 per month, unlimited minutes.");
```

```
String packageType = scanner.nextLine();
System.out.print("Enter the number of minutes used: ");
int minutesUsed = scanner.nextInt();
double totalBill = 0.0;
switch (packageType) {
       totalBill = 29.99;
        System.out.println("Invalid package selection. Please enter
        scanner.close();
System.out.printf("Your total monthly bill is:"+ totalBill);
```



# Q9:

```
}
}
```

```
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    Main.java →

                                                           import java.util.Scanner;

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                                                                                                                                                   ම
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    public class Main {
                                                                  Scanner scanner = new Scanner(System.in);
         ② .gitignore
     > Ifh External Libraries
       Scratches and Consoles
                                                                  int inches = scanner.nextInt();
                                                                  int totalInches = (feet * 12) + inches;
                                                                  if (bmi < 18.5) {
        Enter feet: 5

    ■ Enter inches: 10
① = BMI is 20.087685889657493
လှ
□ labtask 1 q9 > src > ⑥ Main > ⋒ main
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```

# Q10:

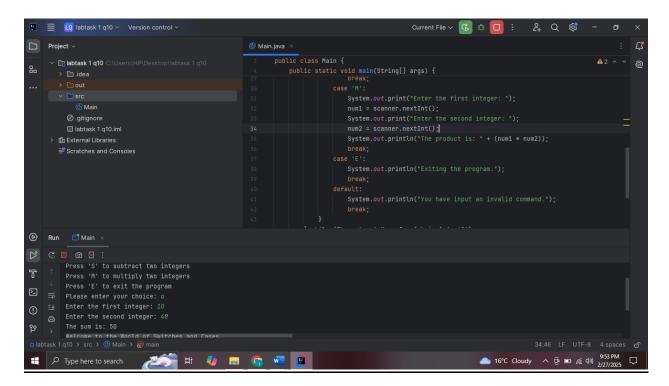
```
System.out.print("Enter the second integer: ");
    int num2 = scanner.nextInt();
    System.out.println("The sum is: " + (num1 + num2));
    break;

case 'S':
    System.out.print("Enter the first integer: ");
    num1 = scanner.nextInt();
    System.out.print("Enter the second integer: ");
    num2 = scanner.nextInt();
    System.out.println("The difference is: " + (num1 -
num2));

break;

case 'M':
    System.out.print("Enter the first integer: ");
    num1 = scanner.nextInt();
    System.out.print("Enter the second integer: ");
    num2 = scanner.nextInt();
    System.out.println("The product is: " + (num1 * num2));
    break;
    case 'E':
        System.out.println("Exiting the program.");
        break;
    default:
        System.out.println("You have input an invalid command.");
        break;
   }
} while (Character.toUpperCase(choice) != 'E');

}
```



# Q 11 (A):

# **B** part:

## Code:

# Q 12:

## Code:

```
Project ~
                                                                  import java.util.Scanner;

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                                                                                                                                                                    ම
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            © Main
                                                                          int count = 10:
         labtask1 g12.iml
                                                                          for (int \underline{i} = 1; \underline{i} <= count; \underline{i}++) {

System.out.print("Enter integer " + \underline{i} + ": ");
                                                                          int average = sum / count;
System.out.println(*The average of the 10 integers is: * + average);
□ □ □
T
         Enter integer 9: 12
         Enter integer 10: 67
The average of the 10 integers is: 12
જુ
                                                                                                                          ______ 16°C Cloudy ^ @ ■ //6 4) 10:04 PM □ //27/2025 □
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```

# Q 13:

## Code:

