Lab worksheet 4

Student No: CT/2021/035

Q01:

```java
package Q_01;
import java.util.Scanner;

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

        System.out.println("Enter the First Number:");
        int a=input.nextInt();

        System.out.println("Enter your Secound Number:");
        int b = input.nextInt();;

        System.out.println("Enter your Therd Number:");
        int c= input.nextInt();

        int smallest;


        //find the smallest number

        if(a<=b && a <=c){
            smallest=a;
        } else if (b <= c && b <= a) {
            smallest =b;

        }
        else {
            smallest=c;
        }
        System.out.println("smallest number is :"+smallest);

        input.close();
    }

}
```

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50882:/Applications/Intelli
Enter the First Number:
12
Enter your Secound Number:
34
Enter your Therd Number:
56
smallest number is :12

Process finished with exit code 0
```

Q02:

```java
package Q_02;
import java.util.Scanner;

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

        System.out.println("0.Megenta");
        System.out.println("1.Cyan");
        System.out.println("2.Red");
        System.out.println("3.Blue");
        System.out.println("4.Green");
        System.out.println("Select the one color in the above:");

        int selection= input.nextInt();

        switch (selection){
            case 0:
                System.out.println("you Selected Megenta");
                break;
            case 1:
                System.out.println("you Selected Cyan");
                break;

            case 2:
                System.out.println("you selected Red");
                break;
            case 3:
                System.out.println("you selected Blue");
                break;
            case 4:
                System.out.println("you slected Green");
                break;
            default:
                System.out.println("you enter invalid number");

        }

    input.close();
    }

}
```

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50885:/Applications/Intelli
0.Megenta
1.Cyan
2.Red
3.Blue
4.Green
Select the one color in the above:
2
you selected Red

Process finished with exit code 0
```

Q03:

```java
package Q_03;
import java.util.Scanner;

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

        System.out.print("Enter the power of 10 (ex:6,9,12..):");
        int power= input.nextInt();

        switch(power){
            case 6:
                System.out.println("Milion");
                break;
            case 9:
                System.out.println("Bilion");
                break;
            case 12:
                System.out.println("Trilion");
                break;
            case 15:
                System.out.println("Quadrilion");
                break;
            case 18:
                System.out.println("Quintillion");
                break;
            case 21:
                System.out.println("Sextillion");
                break;
            case 30:
                System.out.println("Nonillion");
                break;
            case 100:
                System.out.println("Googol");
                break;
            default:
                System.out.println("NO known name");


        }
        input.close();

    }
}
```
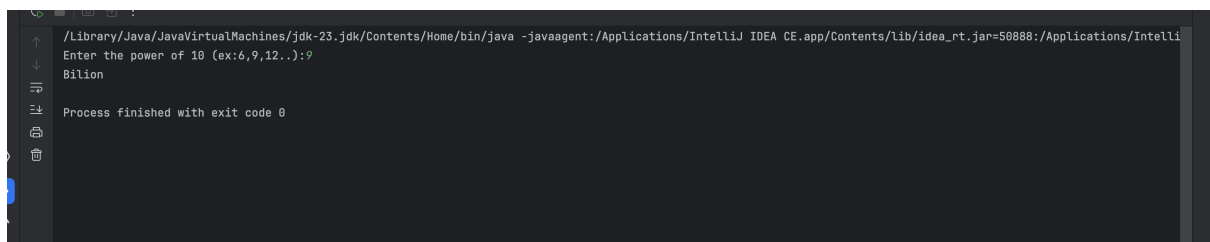
```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50888:/Applications/Intelli
Enter the power of 10 (ex:6,9,12..):9
Bilion

Process finished with exit code 0
```

Q04:

```java
package Q_04;
import java.util.Scanner;
```
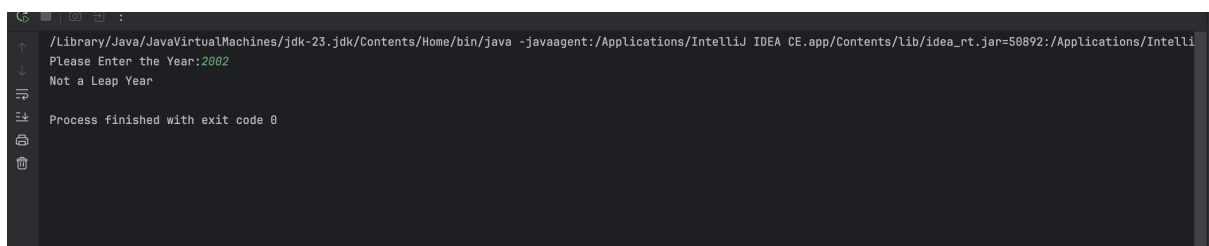
```java
public class Main {
    public static void main(String[] args) {
        Scanner name=new Scanner(System.in);

        System.out.print("Please Enter the Year:");
        int year= name.nextInt();

        if ((year % 4==0 && year %400 !=0) || (year %400 ==0)){
            System.out.println("Leap year");
        }
        else {
            System.out.println("Not a Leap Year");
        }
        name.close();

    }
}
```

/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50892:/Applications/Intelli
Please Enter the Year:2002
Not a Leap Year

Process finished with exit code 0

Q05:

```java
package Q_05;
import java.util.Scanner;

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

        //entire menu
        System.out.println("Entire Menu:");
        System.out.println("01.Tofu Burger- $3.49");
        System.out.println("02.Cajun Chicken- $4.59");
        System.out.println("03.Buffalo Wings- $3.99");
        System.out.println("04.Rainbow Fillet- $2.99");
        System.out.println("Enter the number of your Entire Menu:");
        int Entirechoos = input.nextInt();

        //Desh menu
        System.out.println("01.Rice Cracker- $0.79");
        System.out.println("02.No Salt Fries- $0.69");
        System.out.println("03.Zucchini- $1.09");
        System.out.println("04.Brown Rice- $0.59");
        int Deshmenu= input.nextInt();

        //Drink
        System.out.println("01.Cafe Mocha- $1.99");
        System.out.println("02.Cafe Latte- $1.90");
        System.out.println("03.Espresso- $2.49");
        System.out.println("04.Oolong Tea $0.99");
        int Drink= input.nextInt();

        //Decliyer variable to store slect item and price
```

```java
        String entire=" ",side=" ",drink=" ";
        double entireprice=0.0,sideprice=0.0,drinkprice=0.0;

        switch (Entirechoos){
            case 1:entire="Tofu Burger";entireprice=3.49;break;
            case 2:entire="Cajun Chicken";entireprice=4.59;break;
            case 3:entire="Buffalo Wings";entireprice=3.99;break;
            case 4:entire="Rainbow Fillet";entireprice=2.99;break;
            default:
                System.out.println("Invalid Enter choos");
                return;
        }

        switch (Deshmenu){
            case 1:side="Rice Cracker";sideprice=0.79;break;
            case 2:side="No-Salt Fries";sideprice=0.69;break;
            case 3:side="Zucchini";sideprice=1.09;break;
            case 4:side="Brown Rice";sideprice=0.59;break;
            default:
                System.out.println("Invalid Entire choos");
                return;


        }
        switch (Drink){
            case 1:side="Cafe Mocha";drinkprice=1.99;break;
            case 2:side="Cafe Latte";drinkprice=1.90;break;
            case 3:side="Espresso";drinkprice=2.49;break;
            case 4:side="Oolong Tea";drinkprice=0.99;break;
            default:
                System.out.println("Invalid Entire choos");
                return;
        }

        double total=entireprice+sideprice+drinkprice;

        System.out.println("-------Oder summery---------");
        System.out.printf("Entree: %s - $%.2f \n",entire,entireprice);
        System.out.printf("Entree: %s - $%.2f \n",side,sideprice);
        System.out.printf("Entree: %s - $%.2f \n",drink,drinkprice);
        System.out.printf("Total: $%.2f \n",total);




    }
}
```

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50897:/Applications/Intelli
Entire Menu:
01.Tofu Burger- $3.49
02.Cajun Chicken- $4.59
03.Buffalo Wings- $3.99
04.Rainbow Fillet- $2.99
Enter the number of your Entire Menu:
1
01.Rice Cracker- $0.79
02.No Salt Fries- $0.69
03.Zucchini- $1.09
04.Brown Rice- $0.59
2
01.Cafe Mocha- $1.99
02.Cafe Latte- $1.90
03.Espresso- $2.49
04.Oolong Tea $0.99
4
-------Oder summery---------
Entree: Tofu Burger - $3.49
Entree: Oolong Tea - $0.69
Entree:    - $0.99
Total: $5.17

Process finished with exit code 0
```