| Q-01 | ```java
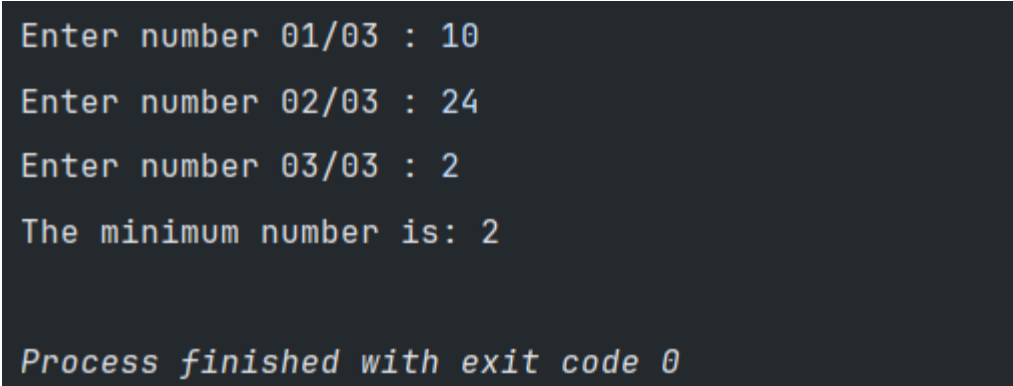package Q_01;

import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter number 01/03 : ");
        int num1 = scan.nextInt();
        System.out.print("Enter number 02/03 : ");
        int num2 = scan.nextInt();
        System.out.print("Enter number 03/03 : ");
        int num3 = scan.nextInt();
        int min;
        if (num1 < num2){
            min = num1;
            if (num1<num3)
                min = num1;
            else
                min = num3;
        }else if(num2 < num3){
            min = num2;
        }else{
            min = num3;
        }
        System.out.println("The minimum number is: " + min);
    }
}
``` |
|---|---|
| | ```
Enter number 01/03 : 10

Enter number 02/03 : 24

Enter number 03/03 : 2

The minimum number is: 2


Process finished with exit code 0
``` |
| Q-02 | ```java
package Q_02;
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
``` |

```
        Scanner scanner = new Scanner(System.in);
        System.out.println("0.Magenta");
        System.out.println("1.Cyan");
        System.out.println("2.Red");
        System.out.println("3.Blue");
        System.out.println("4.Green");
        System.out.print("Select one color from the above list:");
        int selection = scanner.nextInt();

        switch (selection){
            case 0:
                System.out.println("You selected Magenta");
                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 selected Green");
                break;
            default:
                System.out.println("Invalid selection");
        }

     /* if (selection == 0)
            System.out.println("You selected Magenta");
        else if (selection == 1)
            System.out.println("You selected Cyan");
        else if (selection == 2)
            System.out.println("You selected Red");
        else if (selection == 3)
            System.out.println("You selected Blue");
        else if (selection == 4)
            System.out.println("You selected Green");
        else
            System.out.println("Invalid selection");*/
    }
}
```

```
0.Magenta

1.Cyan

2.Red

3.Blue

4.Green

Select one color from the above list:3

You selected Blue
```

Q-03

```java
package Q_03;
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter a Power of 10 (ex: 6/9/12/15/18/21/30/100) : ");
        int power = scan.nextInt();
        String result = "";
        if (power == 6) {
            result = "Million";
        } else if (power == 9) {
            result = "Billion";
        } else if (power == 12) {
            result = "Trillion";
        } else if (power == 15) {
            result = "Quadrillion";
        } else if (power == 18) {
            result = "Quintillion";
        } else if (power == 21) {
            result = "Sextillion";
        } else if (power == 30) {
            result = "Nonillion";
        } else if (power == 100) {
            result = "Googol";
        } else {
            System.out.println("Invalid input");
        }
        System.out.println("10^" + power + " = " + result);
    }
}
```

```
Enter a Power of 10 (ex: 6/9/12/15/18/21/30/100) : 6

10^6 = Million
```

| Q-04 | ```java
package Q_04;
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter a year : ");
        int year = scan.nextInt();
        if(year % 4 == 0 && year % 100 != 0 || year % 400 == 0){
            System.out.println(year + " is a leap year");
        }else{
            System.out.println(year + " is not a leap year");
        }
    }
}
```
|

```
Enter a year : 1800

1800 is not a leap year


Enter a year : 2000

2000 is a leap year
```

| Q-05 | ```java
package Q_05;

import java.util.ArrayList;
import java.util.Arrays;
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        ArrayList<String> Entree = new ArrayList<String>(Arrays.asList("Tofu Burger", "Cajun Chicken",
"Buffalo Wings", "Rainbow Fillet"));
        ArrayList<Double> EntreePrice = new ArrayList<Double>(Arrays.asList(3.49, 4.59, 5.99, 2.99));
        ArrayList<String> SideDish = new ArrayList<String>(Arrays.asList("Rice Cracker", "No-Salt Fries",
"Zucchini", " Brown Rice"));
        ArrayList<Double> SideDishPrice = new ArrayList<Double>(Arrays.asList(0.79, 0.69, 1.09, 0.59));
        ArrayList<String> Drink = new ArrayList<String>(Arrays.asList("Cafe Mocha", "Cafe Latte",
```
|

```java
"Espresso", "Oolong Tea"));
     ArrayList<Double> DrinkPrice  = new ArrayList<Double>(Arrays.asList(1.99, 1.90, 2.49, 0.99));
     ArrayList<Integer> Orderid = new ArrayList<>();

     System.out.println("Welcome to the restaurant!");

     while(true){
        System.out.println("  ");
        for(int i=0; i<Entree.size(); i++){
           System.out.println((i+1) + ". " + Entree.get(i) + " - $" + EntreePrice.get(i));
        }
        System.out.print("Enter Your Entree Number: ");
        int order = scan.nextInt();
        Double Price = 0.0;
        for (int i = 0; i < Entree.size(); i++) {
           if (order < 1 || order > Entree.size()) {
              System.out.println("Invalid Order Number. Please try again.");
              continue;
           }
           if (order == i + 1) {
              System.out.println("You have selected: " + Entree.get(i) + " - $" + EntreePrice.get(i));
              Price += EntreePrice.get(i);
              Orderid.add(i);
              break;
           }
        }

//Side Dish
        System.out.println("  ");
        System.out.println("Select a Side Dish:");
        for (int i = 0; i < SideDish.size(); i++) {
           System.out.println((i + 1) + ". " + SideDish.get(i) + " - $" + SideDishPrice.get(i));
           }
        System.out.print("Enter Your Side Dish Number: ");
        order = scan.nextInt();
        for (int i = 0; i < SideDish.size(); i++) {
           if (order < 1 || order > SideDish.size()) {
              System.out.println("Invalid Order Number. Please try again.");
              continue;
           }
           if (order == i + 1) {
              System.out.println("You have selected: " + SideDish.get(i) + " - $" + SideDishPrice.get(i));
              Price += SideDishPrice.get(i);
              Orderid.add(i);
```

```
                break;
            }
        }
//Drink
        System.out.println("  ");
        System.out.println("Select a Drink:");
        for (int i = 0; i < Drink.size(); i++) {
            System.out.println((i + 1) + ". " + Drink.get(i) + " - $" + DrinkPrice.get(i));
        }
        System.out.print("Enter Your Drink Number: ");
        order = scan.nextInt();
        for (int i = 0; i < Drink.size(); i++) {
            if (order < 1 || order > Drink.size()) {
                System.out.println("Invalid Order Number. Please try again.");
                continue;
            }
            if (order == i + 1) {
                System.out.println("You have selected: " + Drink.get(i) + " - $" + DrinkPrice.get(i));
                Price += DrinkPrice.get(i);
                Orderid.add(i);
                break;
            }
        }
        System.out.println("=====================");
        System.out.println("You have selected: ");
        System.out.println(Entree.get(Orderid.get(0)) + " - $" + EntreePrice.get(Orderid.get(0)));
        System.out.println(SideDish.get(Orderid.get(1)) + " - $" + SideDishPrice.get(Orderid.get(1)));
        System.out.println(Drink.get(Orderid.get(2)) + " - $" + DrinkPrice.get(Orderid.get(2)));
        System.out.println("=====================");
        System.out.println("Total Price : $" + Price);
        System.out.println("=====================");
        Orderid.clear();

    }
  }
}
```

```
Welcome to the restaurant!


1. Tofu Burger - $3.49

2. Cajun Chicken - $4.59

3. Buffalo Wings - $5.99

4. Rainbow Fillet - $2.99

Enter Your Entree Number: 1

You have selected: Tofu Burger - $3.49


Select a Side Dish:

1. Rice Cracker - $0.79

2. No-Salt Fries - $0.69

3. Zucchini - $1.09

4.  Brown Rice - $0.59

Enter Your Side Dish Number: 2

You have selected: No-Salt Fries - $0.69
```

```
Select a Drink:
1. Cafe Mocha - $1.99
2. Cafe Latte - $1.9
3. Espresso - $2.49
4. Oolong Tea - $0.99
Enter Your Drink Number: 3
You have selected: Espresso - $2.49
======================
You have selected:
Tofu Burger - $3.49
No-Salt Fries - $0.69
Espresso - $2.49
======================
Total Price : $6.67
======================

1. Tofu Burger - $3.49
2. Cajun Chicken - $4.59
```