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Reg#-FA24-BSE-099
Course-OOP
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Q1-Program To print Name,Age,City?

```
class Main {
    public static void main(String[] args) {
        System.out.println("My name is Ahmed Zia\nI am 21 Years Old\nI live in Abbottabad");
    }
}
```

Q2-Find Even Or Odd?

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        System.out.println("Enter A Number");
        Scanner sc = new Scanner(System.in);
        int num=sc.nextInt();
        if(num%2==0){
            System.out.println(num+" Is Even");
        }
        else if(num%2!=0){
            System.out.println(num+" Is Odd");
        }
    }
}
```

Q3-Simple Calculator

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Choose Operation +,-,*,/");
        char operation=sc.next().charAt(0);
        System.out.println("Enter Numbers");
        int num1=sc.nextInt();
        int num2=sc.nextInt();
        if(operation=='+'){
            System.out.println((num1+num2)+" Is the Sum");
        }
```

```
        else if(operation=='-'){
            System.out.println((num1-num2)+" Is the Diffrence");
        }
        else if(operation=='*'){
            System.out.println((num1*num2)+" Is the Product");
        }
        else if(operation=='/'){
            System.out.println((num1/num2)+" Is the Quitent");
        }
        else{
            System.out.println("Invalid Operand");
        }
    }
}
```

Q4-Temp Convert From Celsius To Farhenheit

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Temp In Celsius");
        Float temp=sc.nextFloat();
        float farhenheit=((9/5)*temp)+32;
        System.out.println(farhenheit +" Is temp in Farhenheit");
    }
}
```

Q5-Largest Of Three Numbers

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Three Numbers");
        int num1=sc.nextInt();
        int num2=sc.nextInt();
        int num3=sc.nextInt();
        if(num1>num2 && num1>num3){
            System.out.println(num1 +" Is The Largest");
        }
        else if(num2>num3){
            System.out.println(num2 +" Is The Largest");
        }
        else{
            System.out.println(num3 +" Is The Largest");
```

```
    }
  }
}
```

Q6-Week Days Using Switch

```
import java.util.Scanner;
class Main {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter Number 1-7");
      int op=sc.nextInt();
      switch(op){
            case 1:
            System.out.println("Sunday");
            break;
            case 2:
            System.out.println("Monday");
            break;
            case 3:
            System.out.println("Tuesday");
            break;
            case 4:
            System.out.println("Wednesday");
            break;
            case 5:
            System.out.println("Thursday");
            break;
            case 6:
            System.out.println("Friday");
            break;
            case 7:
            System.out.println("Saturday");
            break;
            default:
            System.out.println("Invalid I/P");
            break;
      }

   }
}
```

Q7-Student Grade Calculator

```
import java.util.Scanner;
class Main {
```

```
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Welcome To Grade Calculator");
        System.out.println("Enter Quiz Marks out of 15");
        int quiz=sc.nextInt();
        System.out.println("Enter Assignment Marks out of 10");
        int assignment=sc.nextInt();
        System.out.println("Enter Midterm Marks out of 25");
        int midterm=sc.nextInt();
        System.out.println("Enter FinalTerm Marks out of 50");
        int finalterm=sc.nextInt();
        int total=quiz+assignment+midterm+finalterm;
        float average=total;
        System.out.println("Total Marks ="+ total);
        System.out.println("Average="+ average);
        char grade;
        if(total>=85){
            grade='A';
        }
        else if(total>=70){
            grade='B';
        }
        else if(total>=50){
             grade='C';
        }
        else  {
            grade='F';
        }
        System.out.println("Grade="+grade);
    }
}
```

Q8-Pizza order Simulator

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Welcome To Pizza Rest");
        System.out.println("Enter Pizza Size");
        System.out.println("1-Small");
        System.out.println("2-Medium");
        System.out.println("3-Large");
        String size=sc.next();
        int price=0;
        String pepperoni;
```

```
        String cheese;
        switch (size){
            case "Small":
            price=100;
            System.out.println("Do you Want Peperoni?");
             pepperoni=sc.next();
            if(pepperoni.equalsIgnoreCase("Yes")){
            price+=30;
            }
            System.out.println("Do you Want Extra Cheese?");
            cheese=sc.next();
            if(cheese.equalsIgnoreCase("Yes")){
            price+=20;
            }
            break;
            case "Medium":
            price=200;
            System.out.println("Do you Want Peperoni?");
            pepperoni=sc.next();
            if(pepperoni.equalsIgnoreCase("Yes")){
            price+=50;
            }
            System.out.println("Do you Want Extra Cheese?");
            cheese=sc.next();
            if(cheese.equalsIgnoreCase("Yes")){
            price+=20;
            }
            break;
            case "Large":
            price=300;
            System.out.println("Do you Want Peperoni?");
            pepperoni=sc.next();
            if(pepperoni.equalsIgnoreCase("Yes")){
            price+=50;
            }
            System.out.println("Do you Want Extra Cheese?");
            cheese=sc.next();
            if(cheese.equalsIgnoreCase("Yes")){
            price+=20;
            }
            break;
            default :
            System.out.println("Enter Correct Size With First letter Caps");
            }
            System.out.println("Your Bill is....."+price+"$");

    }
}
```