

IF-ELSE -DART

1)Write a dart program to check if a number is even or odd.

```
void main(){
  int x = 10;
  if(x % 2 == 0){
    print("$x is even no");
  }
  else{
    print("$x is odd no");
  }
}
```

Output:10 is even no

2)Write a dart program, take a number and print whether it is less than 10 or greater than 10.

```
void main(){
  int x = 7;
  if(x > 10){
    print("$x is greater than 10");
  }
  else{
    print("$x is smaller than 10");
  }
}
```

Output:7 is smaller than 10

3)Write a dart program to determine if the user can cast a vote or not(a person with age above 18 can cast a vote)

```
void main(){
  int age =27 ;
  if(age >= 18){
    print("You can cast a vote");
  }
  else{
    print("You cant cast a vote");
  }
}
```

Output:You can cast a vote

4)Write a dart program, take a number and print whether it is positive or negative.

```
void main(){
  int no =-7 ;
  if(no > 0){
    print("$no is positive");
  }
  else{
    print("$no is negative");
  }
}
```

Output: -7 is negative

5)Write a dart program to check if a character is a vowel or consonant.

```
void main (){
  var char = "A";
  if(char == "A"||char == "E"||char == "I"||char == "O"||char == "U"){
    print("$char is vowel");
  }
  else{
    print("$char is consonant");
  }
}
```

Output: A is vowel

6) Write a dart program that takes a number from 0 to 5 and prints its spelling, if the number is greater than 5 print entered number is greater than 5

```
void main (){
  var no=3;

  if(no <0){
    print("Enter positive No.");
  }

  else if(no == 1){
    print("One");
  }

  else if(no == 2){
    print("Two");
  }

  else if(no == 3){
    print("Three");
  }
}
```

```

}
    else if(no == 4){
        print("Four");
    }
    else if(no == 5){
        print("Five");
    }
    else {
        print("No is greater than 5");
    }
}

```

Output: Three

7) Write a dart program, in which according to month no print the no. of days in that month

```

void main (){
    var month=7;

    if(month ==1){
        print("Jan has 31 days");
    }

    else if(month == 2){
        print("Feb has 28 days");
    }

    else if(month == 3){
        print("Mar has 31 days");
    }

    else if(month == 4){
        print("April has 30 days");
    }

    else if(month == 5){
        print("May has 31 days");
    }

    else if(month == 6){
        print("June has 30 days");
    }

    else if(month == 7){
        print("July has 31 days");
    }

    else if(month== 8){
        print("AUG has 31 days");
    }

    else if(month == 9){
        print("sept has 30 days");
    }

    else if(month == 10){
        print("Oct has 31 days");
    }
}

```

```

}
    else if(month== 11){
        print("Nov has 30 days");
    }
    else if(month == 12){
        print("Dec has 31 days");
    }
    else {
        print("Invalid Month");
    }
}

```

Output: July has 31 days

8) Write a dart program to check whether the number is divisible by 3 & 5 i.e If the number is divisible by both 3 and 5 : o/p "Divisible by both" If number is only divisible by 3 : o/p "Divisible by 3" If number is only divisible by 5 : o/p "Divisible by 5" If neither divisible by 3 nor 5 then : o/p ""Not divisible by 3 or 5"

```

void main (){
    var no=3;

    if(no % 3 == 0 && no % 5 == 0){
        print("Divisible by both");
    }

    else if(no % 3 == 0){
        print("Divisible by 3");
    }

    else if(no % 5 == 0){
        print("Divisible by 5");
    }

    else {
        print("Not Divisible by both");
    }
}

```

Output: Divisible by 3

9) Create a dart program to calculate the ticket price for the upcoming Cricket World Cup

1. For Upper Stand ticket (represented by 1) price is 2000
2. For Middel Stand ticket (represented by 2) price is 3000
3. For Lower Stand ticket (represented by 3) price is 7000
4. All other tickets for 2500

```

void main (){
    int no=7;

```

```

    if(no == 1){
    print("please pay 2000 rupee");
}

    else if(no == 2){
    print("please pay 3000");
}

    else if(no == 3){
    print("please pay 7000");
}

    else {
    print("please pay 2500");
}

}

```

Output: please pay 2500

10) Write a dart program to calculate electricity bill of a house based on following criteria
 For first 90 units: No charge
 90 to 180 units: 6 rupees per unit
 180 to 250 units: 10 rupees per unit
 Above 250 units : 15 rupees per unit

```

void main() {

var units = 120;

if(units < 90){
    print("No charge");
}
else if (units < 180){
    print(units*6);
}
else if (units <250){
    print(units*10);
}
else{
    print(units*15);
}
}

```

Output:720