

Example of Enum

```
public class Enumclass
{
    enum colors{red,yellow,blue,orange,green} //enum is a datatype and colors is a variable
    using enum

    public void enummethod()
    {
        colors r=colors.red;
        system.debug('show me color'+r);
        colors y=colors.yellow;
        system.debug('show me color'+y);

    }
}
```

,.....

Example of string functions and date functions

```
public class FUNC
{
    PUBLIC void strmethod()
    {
        string s1='hello world';
        string s2='Hello world';
        string s3='Tantul';
        system.debug(s1==s2); // comparing two strings true
        system.debug(s1.startsWith('H')); // returns false
        system.debug(s2.endsWith('D')); //return true
        system.debug(s1.startsWithIgnoreCase('H')); // return true
        system.debug(s3.length()); // 6
    }
}
```

```

    system.debug(s1.substring(0,5)); // hello
    system.debug(s1.substring(1,5)); //ello
    system.debug(s2.swapCase());
    system.debug(s1.toupperCase()); //HELLO WORLD

}

public void dmethod()
{
    date cd=date.today();
    system.debug('show me current date '+cd);
    datetime cdt=datetime.now();
    system.debug('show me current date '+cdt);
    time t=datetime.now().time();
    system.debug('show me current time only '+t);
    // system.debug('show me system date and time '+system.datetime.now().format());

}

}

```

Example of Integer.valueOf

```

public class valueof {

    public void res()
    {
        string s1='100';
        string s2='200';
        integer result;
        // string result;
    }
}

```

```

        result=integer.valueOf(s1)+integer.valueOf(s2); //convert a string to integer user use valueof
        system.debug('result '+result);
        integer s3=900;
        system.debug('result of '+math.mod(s3, 3));
    }

```

```

}

```

.....

Task: Calculate the sqrt of two numbers

Use the function floor,abs,round

.....

Example If else and switch cas

```

public class cond {
    public void checkno(integer x)
    {
        if(x>0)
        {
            system.debug('no is positive');
        }
        else if(x<0)
        {
            system.debug('no is negative');
        }
    }
}

public void checkdy(integer wkdy)
{
    switch on(wkdy)
    {
        when 1

```

```

    {
        system.debug('monday');
    }
    when 2
    {
        system.debug('Tuesday');
    }

    when 3
    {
        system.debug('Wednesday');
    }
    when else
    {
        system.debug('No day');
    }

}
}
}

```

EXAMPLE on DO ,while and for loop

public class loopclass

{

public void doLoop()

```

{
integer i=0;
    do
    {
        i=i+1;
        system.debug('show me value '+i);
    }while(i<5);
}

public void whileLoop()
{
integer i=0;
    while(i<5)
    {
        i=i+1;
        system.debug('show me value '+i);
    }
}

public void forLoop()
{

    for(integer i=0;i<5;i++)
    {

        system.debug('show me value '+i);
    }
}

}

```

Example on For loop to check even number

```
public void evenLoop(integer y)
{

    for(integer i=1;i<y;i++)
    {
        if(math.mod(i,2)==0)
        {
            system.debug('Even Number '+i);

        }
        /* else
        {
            system.debug('Odd Number '+i);
        }*/
        /*---*/ is used for multiple line comments

    }
}
```

Scenario: Check if the number is odd number.

a)Do with any loop

Scenario:Check if the number is even.

Scenario .Check if the year is leap year or not leap year.

Scenario:Check If String is vowel using switch case

Scenario:Check if the number is prime number.

Scenario:show month name using switch case.

Scenario:Reverse a string using Reverse function in salesforce.

EXample on Multiple If condition

Scenario3: check for the age, marks and Qualification of a trainee.

age>=18—>underage

---->marks>=80—>undermarks

----->Qf→ B.tech,MCA,MTECH→underqualification

Candidate is selected

```
public void ckeg(integer age,integer marks,string qf)
{
    if(age>=18)
    {
        if(marks>=80)
        {
            if(qf=='Btech' || qf=='MCA')
            {
                SYstem.debug('congrats you are selected');
            }
            else
            {
                system.debug('sorry rejected do not have a qualification');
            }
        }
    }
    else
```

```
{  
    system.debug('you are rejected on the basis of marks');  
}  
  
}  
else  
{  
    system.debug('you are rejected on the basis of age');  
}  
  
}  
  
}
```