1.

Integer a=9;

system.debug('value of a is '+a);

a=a+1; // a+=1; or a++;

System.debug('the value of a after increment >>'+a);

2.

Integer num=8;

Double dbl= Double.valueOf(num);

System.debug(dbl);

Decimal dcm= Decimal.valueOf(num);

System.debug(dcm);

Decimal x=8.76;

Integer y=Integer.valueOf(x);

System.debug(y);

3.

string str= 'my first string';

string a='9';

string accId='0016F00002B29tWQAR';

String str= 'Account name Coderinme has Account Id ';

String accId='0016F00002B29tWQAR';

str=str+accId;

String var='this is added with >' + str;

system.debug(var);

String Name='John Deo';

Name.remove('Deo'); // now name is John

Name='John Deo';

Name.replace('John', 'Jane'); // now name is Jane Deo

Number of letter , character in the string

Name='John Deo';

Integer strLen = Name.length(); // strLen is 8

Integer num=1919;

String numStr = String.valueOf(num);

string str='now it is you know';

string revStr = str. reverse();

//reverse() is used to reverse the string

//revStr = 'wonk uoy si ti won'

string lft = str.left(4);

// this is used to find leftmost n number of characters of string

// lft='now '

string rgStr= str.right(2)

// this is used to find rightmost n number of characters of string

//rgStr= 'know'

string stRef = lft.trim() ;

//is used to remove unwanted space in the beginning or end of the string

// now lft is 'now'

string subst= str.substring(4) ;

// it will take new string from n index to last

// substr = 'it is you know'

string subst1= str.substring(1,4) ;

// new string which will take from frst index to 4 index

// substr1='now i'

4.

Date dat1 = Date.newInstance(2018,3,18); // 18th March

Date todDate = system.today(); // today Date like 26th July 2018

Datetime dtime1= Datetime.newInstance(2018,03,18,20,18,30);

// dtime1 is 08:18 pm and 30 sec On 18th March 2018

Datetime nwTime= system.now(); // time and date of now like 11:50 pm of 26th July 2018

Time tm= Time.newInstance(1,15,20,0); // 01:15:20 am

Date dt1 = Date.newInstance(2018, 2, 17);

Date dt2 = dt1.addDays(3); //Now dt2 is 20/02/2018

Date dt1 = Date.newInstance(2018, 2, 17);

Date dt2 = dt1.addMonths(2); //Now dt2 is 20/04/2018

Date dt2 = dt1.addYears(4); //Now dt3 is 20/02/2022

Date gvnDate = Date.newInstance(2016, 10, 17);

Integer dyDate= gvnDate.day(); // 17

Integer mnthDate= gvnDate.month(); // 10 i.e. october

Integer yrDate= gvnDate.year(); // 2016

Date gvnDate = Date.newInstance(2016, 10, 17);

Date nxtDate = Date.newInstance(2016, 10, 27);

Integer countDays= gvnDate.daysBetween(nxtDate); //10

Date gvnDate = Date.newInstance(2016, 10, 17);

Date nxtDate = Date.newInstance(2017, 01, 27);

Integer countMnths= gvnDate.monthsBetween(nxtDate); //3

Date gvnDate = Date.newInstance(2016, 10, 17);

Date nwDt= gvnDate.toStartOfMonth(); // 01/10/2017

Date gvnDate = Date.newInstance(2016, 10, 21);

Date nwDt= gvnDate. toStartOfWeek(); // 17/10/2017 Monday start

String dtVal='2009-10-26 11:24:43';

Date dat1= Date.valueOf(dtVal);

Datetime dtime1= Datetime.newInstance(2018,03,18,2,2,2);

Datetime dt1= dtime1.addHours(2); // 18th March 2018 04:02:02

Datetime dt2= dtime1.addMinutes(12); // 18th March 2018 02:14:02

Datetime dt3= dtime1.addSeconds(10); // 18th March 2018 04:02:12

Integer hours= dt1.Hour(); // 4

Integer mins= dt1.Minute(); // 2

Integer scnds= dt3.Second(); // 12

Date dt= dt1.Date(); // 18/03/2018

Time tm= dt1.Time(); // 04:02:02

5.

Account acc = new Account();

acc.Name = 'Coder in Me'; // line 2

//another way

Account acc = new Account( Name = 'Coder In Me'); //line 4

Salary\_\_c sal = new Salary\_\_c();

sal.Type = 'Temporary'; // line 2

//another way

Salary\_\_c acc = new Salary\_\_c (Type = 'Temporary'); //line 4

6.

List<Integer> intList = new List<Integer>();

intList.add(1);

intList.add(5);

intList.add(5);

system.debug('First List of Integer >>> '+intList);

List<Integer> intList1 = new List<Integer>{1,3,4};

system.debug('Second List of Integer >>> '+intList1);

7.

Set<Integer> intSet = new Set <Integer>();

intSet.add(1);

intSet.add(5);

system.debug('First set of Integer >>> '+ intSet);

Set <Integer> intSet1 = new Set <Integer>{1,3,4};

system.debug('Second Set of Integer >>> '+ intSet1);

List<Integer> intList = new List<Integer>{1,3,4,1,5,6,7,9,3,4,5};

Set<Integer> intSet = new Set <Integer>();

intSet.addAll(intList);

system.debug('size of List is >>> '+ intList.size());

system.debug('size of set is >>> '+ intSet.size());

8.

Map<Key,value> mapVariableName= new Map<Key,Value>()

//code

Map<Integer,String> keyMap=new Map<Integer,String>();

keyMap.put(1, 'One');

keyMap.put(10, 'Ten');

system.debug(keyMap);

system.debug(keyMap.get(1));

system.debug(keyMap.get(10));

9.

Map<Integer,String> keyMap=new Map<Integer,String>();

keyMap.put(1, 'One');

keyMap.put(1, 'Two');

keyMap.put(10, 'Ten');

keyMap.put(3,'Three1');

system.debug(keyMap);

system.debug(keyMap.get(1));

system.debug(keyMap.get(10));

system.debug(keyMap.get(3));

system.debug(keyMap.size());

10.

Integer a=2;

if(a==2){

system.debug('yes a is 2');

}

//Example 2

Integer a=2;

if(a==1)

system.debug('yes a is 1');

else

system.debug('a is 2');

11.

Integer b=8;

if(b<4)

system.debug('b is less than 4');

else if(b>4)

system.debug('b is greater than 4');

else

system.debug('b is equal to 4');

12.

List<Integer> intList = new List<Integer>{1,2,3,5,6,1};

For(Integer i=0; i< intList.size(); i++){

System.debug(intList[i]);

}

13.

Integer i=0;

while (i<4){

System.debug('Ok'+i);

i++;

}

14.

List<Integer> intList = new List<Integer>{1,2,3,5,6,1};

Integer i=0;

while (i<intList.size()){

System.debug(intList[i]);

i++;

}

15.

Public Class Company{

Public string Name; // property

Public integer registrationNo;

Public Boolean isOpen;

Public company(){

// this is constructor

Public string country='India';

}

Public void hire(){

// a method used to hire staffs

-----statement---

}

}

16.

Public class firstClass{

Public Integer add(Integer num1, Integer num2){

Integer sum= num1+num2;

return sum;

}

}

17

firstClass f1= new firstClass();

Integer result = f1.add(23,32);

**Figure3.22**

System.debug(result);

// it will call the method and result will be 55