Day-1

Topics Covered :

* Java Project
* Java package
* Folder creation
* Java class
* Main method // signature
* Primitive data types
* Hard coded values
* Accepting input using Scanner class
* Conditions
* Loops
* Switch
* Wrapper classes // parse and valueOf methods

public – to provide the access for all components

static --- non changeable

void --- no return type

main --- name of the method

String args[] ---- To process the input output in terms of string

* Variable initialization
* Sysout method
* Taking input using Scanner class

next() ------ String

nextInt() ----- int

nextDouble() ------ decimal

Character input

Var\_ch = sc.next().charAt(0); // AB // Exception --- IndexOutOfBound

* Control structure

Condition //for loop

Loop

Switch

Scenario – 1:

Person A is working in ABC organization.

He is going to complete his 1st year and waiting for appraisal.

If his salary is less than 32000.00 he is eligible to get 10% hike.

Calculate the his net sal.

Conditional Operator :

**<**

**>**

**<=**

**>=**

**==**

**!=**

**Increment / Decrement Operators:**

**++**

**--**

**Modular Operator : %**

**Scenario-2:**

**Mike wants to get the number as an input and check the number is even of the same number.**

**But he need to put the restriction that the number must not be more than 5 and less than 1.**

**Scenario – 3:**

**Display “Test automation framework” 10 times.**

**Provide the password thrice.**

**Display 10,9,8……..1**

**For(init ;condition;incr/decr){**

**Statement;**

**}**

**Synatax of Do-While**

**do{**

**print statement;**

**Incr;**

**}**

**While(condition);**

**Int num = 25;**

**Num+5;**

**Loops , Conditions**

**Scenario-3:**

**Enter the EmpDept .**

**If the EmpDept is Admin then display .**

**Elese it should display invalid department.**

**Enter empSal .**

**If EmpSal<43000.00**

**Add 5000.00 as increment**

**Else display “Not eligible for increment”**

**Enter the EmpID .**

**If EmpID starts with IDN then it is a valid id.**

**Else display invalid employee id.**

**If(){**

**}**

**Else{**

**}**

**If(){**

**}**

**Else{**

**}**

**If(){**

**}**

**Else{**

**}**

Case based app:

Switch(30)

Case-1:

Task1

Break;

Case-2:

Task2;

Break;

Case-3:

Task3;

Break;

Case-4:

Task4;

Break;

Default:

Task default ;

Datatype namemethod (); // call

Void namemethod();

Public void namemethod(){

// st1

//st2

//st3

}

Object :

* Object is the instance of the class.

Wrapper Classes :

|  |  |  |
| --- | --- | --- |
| Sel No | Primitive | Wrapper Class |
| 1 | Int | Integer |
| 2 | Float | Float |
| 3 | Double | Double |

Methods in WrapperClass :

* parseInt() --- Convert String to primitive
* ValueOf() ---Convert primitive to String