Day 2

28-02-2022

1st questions

String

StringBuilder

StringBuffer

Scanner obj = new Scanner(System.in);

System.out.println(“Enter the name”);

String name = obj.nextLine(); // Raj Deep

obj.nextLine(); // hold the enter key.

System.out.println(“Enter the id”);

itn id = obj.nextInt();

In Java String is pre-defined class part of lang package.

By default every java program imported lang package.

String also known as reference data types or non primitive data types.

Syntax to create string class object.

String str1 = “Welcome to Java” // literal style

String str2 = new String(“Welcome to Java”); // using new keyboard.

2nd question

public

private

protected

default

if(task1)

Java

Welcome program

Data Types

Primitive data types

8 data types

Non primitive data types

4

Array

Array syntax

datatype arrayName[];

int abc[];

int []xyz;

int [] mno;

int[] mmm;

int []num={10,20,30,40,50,60};

System.out.println(num[0]);

System.out.println(num[1]);

for(int i=2;i<4;i=i+2) {

System.out.println(num[i]);

}

for(int n:num) {

System.out.println(n);

}

Creating array memory in java

datatype arrayName[]=new datatype[size];

Store n number of employee details as id,name,salary

Take array value through keyboards.

Find gross salary = 10% hra, 5%da and 7%pf

Salary = salary + hra + da – pf ;

Id,name,salary(Gross Salary)

Store n number of employee details as id,name,salary, desg

Take array value through keyboards.

Find gross salary = 10% hra, 5%da and 7%pf

If desg is manager + 50000 bonus

If desg is developer + 3000 bonus

Else

1500

Salary = salary + hra + da – pf ;

Id,name,salary(Gross Salary)

Store n number of employee details as id,name,salary, desg

Take array value through keyboards.

Find gross salary = 10% hra, 5%da and 7%pf

If desg is manager + 50000 bonus

If desg is developer + 3000 bonus

Else

1500

Salary = salary + hra + da – pf ;

Id,name,salary(Gross Salary)

Display descending order salary by employee details.

Pre defined classes/ user defined class

Interface pre-defined or user-defined

Enum

Day 3

02-03-2022

OOPs :

object : any real word entity.

Properties or state -🡪 have

Person

Behaviour 🡪do/does

Bank

Car

Animal

Employee

Customer

class : blue print of object or template of object or user-defined data type which help to create the object.

className referenceName = new ClassName();

types of variable or fields.

3 types

1. Instance variable
2. The variable which declared outside a method is known as instance variable.
3. It hold default value according to their data types. int family 🡪0 float family 0.0, char space, String null, boolean false.
4. We can use instance variable directly inside all method but method must be part of same class and it must not static.
5. Local variable
6. The variable which declared inside a method is known as local variable.
7. It doesn’t hold default value.
8. Scope within that method where it declared.
9. Static variable

Encapsulation : Binding or wrapping data and code in a single unit is known as Encapsulation.

**class**