## Assignment - 24

what are the datatypes in Javag

standards that are used all out coril. o Two types of patatypes are there in Java:

in is character enacting stands si the

Non-premitive

Datatypes in Java

Non-premitive -void - boolean (1 byte) -> Shorter (2 byte) Array - Array -> byte (1byte) -> int (4 byte) - Float so (140 byte) dissually 90 200000 ody -> double (8 byte) -7 long (8 byte) " Java dees mornery management autemat

9.2. why size of all data types in sava on all platforms & all architectures is same?

while save garbage bookedor.

memory should be used espicionary.

· Because Java uses JVM for execution of program. - when we download JDK ( Java Development kit) 1+ is same for all operating systems 4 architectures.

- Q.3 what is the use of unicode system as compased to ASCII9
  - o unicode and ascil are most popular encoding standards that are used all own world.
  - ASCII: (American Standard code for Info: Interchange)

    It is character encoding standard for electronic

    standard.

## - UNICODE :

unicode provider unique way to define every character in every spoken language of world by assigning a unique code.

- Q.4 what is mean by managed memory?
  - o in Java managed memory management is the process of allocation 4 deallocation of objects called memory management
  - using sava garbage collector.
  - memory should be used efficiently.

    for this sava uses concept of managed memory.
  - · Two major parts of Memory management:
  - 1. Java virtual m/c memory structure.

2. working Garbage collector.

what are different characteristics & behaviours 0.5 in Java9 . There are two types of Data members: characteristis, 1. Instance or non-static data members 2. Static data members (class variables) 1. instance : - Me mory will be allocated each a every time when ever I an object is created. - These variables can be accessed through ers bobject names strag de savou thing was written in sava inside 2. Static data members: (class data members): - Memory will be allocated only once. - These variable must be accessed by class name. class mame always start with apital letter The name of dows 4 the name of " Be havioux : summer of bounder of 1. Instance Method 2. class methods (static) : sides . indicates that anyone can access · Instance method: used for repeatative task. class method: Used for non-repeatative took.

creating evicet of it.

C Pote Pope

4.6

Explain prototype of main function of Javag

class Demo &

public static void main ( String omkar[]) {

54stemout.println ( " Jay Shivray");

3

Java is pure object oriented everything was written in Java inside the

2. Demo: It is name of class.

Class name always start with capital letters.

The name of class & the name of

File Should be same.

3. Public: 14 is a access specified which indicates that anyone can access main method.

4. Static: The main, method is static so,

JVM will call this method without

creating object of it.

· 01 · D

5. void: It returns nothing so the return value of main function is void. · Java is dynamic programming ranguage 6. main: The name of entry point function. 7. args []: It is a array which accepts the command line arguments. 8. String: Non-premitive datatype in sava.

array of characters. System: It is a name of inbuilt class in Java from java·lang package. 10. Out: It is a member of output

device (console). Demo dobj : neco Demo();

11. println: which displays the output on object and det (·) operator.

what are the types of loops in saud.

3 major types of loops in Java:

object ( in Hoods) & droved at Symbol fable.

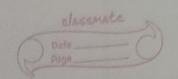
offect reference means 4007 tot

2. While Loop

3. do-while loop

How create object in Javag · Java is dynamic programming anguage so everything in sava is done at suntime e we can allocate memory in Java using the object of class. Syntax: classname object = new classnamec): out i is a member denice ( consule). Demo dobj = new Demo(); we can call the members of a class using object and dot (.) operator. for eg. dobj.fun(); what is meant by object reference in sul Q. 10. · Object reference meance giving just the another name to object. good simos als The another name will hold the address of the object (i.e #code) & stored at Symbol table. o so we can call the members of closs using

another name of that object.



what are the types of array in Javag

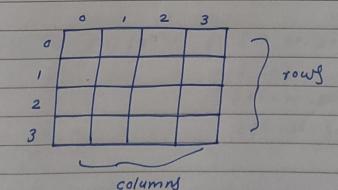
- o Array is a collection of homogeneous data in O sequential manner.
- There are two major types of array in sava:

9.9.

1. Single Dimensional array
2. Multipimensional array

1. Single Dimensional array: is store sequentially in linear way.

2. Multi-Dimensional array. It is type of array in which data stored in matrix format . ( row & Idumns).



: It is multidimensional array o Jagged in which each row hay different number of columns. 3 30 40 Arr 50 80 2 70 90 100 ATT [][] = & {10,20,30,403, \$50,603, \$70,80,90}