1. What is the default value of Array for different data types?

For int 0

For char '\u0000'

For String null

For float 0.0

For double 0.0

For long 0

For short 0

1. Can you pass the negative number in Array size?

If we do so then a NegativeArraySizeException will be thrown. Compilation error.

1. Where does Array stored in the JVM memory?

The Array reference name is stored in stack memory but as array is a object therefore all the data is stored in the heap memory of the JVM.

1. What are the disadvantages of array?

* It can store only homogeneous type of data.
* Once created the size cannot be increased/decreased.

1. What is an anonymous array?

Anonymous array is just the array which doesn’t have any reference variable. It just have data which is passed somewhere to do any operation. This is used to reduce the memory for storing the variable in stack.

Class Print {

public void print(int[] nums) {

for(int n: nums) {

System.out.println(n);

}

}

}

public class Parent {

public static void main(String[] args) {

Print obj = new Print();

obj.print(new int[] {1,2,3,4,5}); //An example of anonymous array

}

}

1. What are the different ways to traverse an Array in java?

int[] arr = {0,1,2,3,4,5};

1. For loop

for(int i = 0; i < arr.length; i++) {

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

}

1. for-each loop

for(int element : arr) {

System.out.println(element);

}

1. while loop

int i = 0;

while(i<arr.length) {

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

}

1. do-while loop

if(arr.length>0) {

int i = 0;

do {

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

i++;

}while(i<arr.length);

}

1. What is the difference between length and length() method. Give Examples?

length is the property of Array type of class.

length() is a method of String class.

Examples:-

String name = “Sarthak”;

System.out.println(name.length()); //returns the length of my name = 7

int[] arr = new int[5];

System.out.println(arr.length); //returns the length of the array which is 5