Assignment – 9(static)

Q1

Ans: Static keyword is mainly used for to manage memory efficiently. by applying Static keyword we can initialized or invoke method without creating object.

public class Statiks {

    static int a;

    static void hj(){

        a=45;

        System.out.println(a);

    }

    public static void main(String[] args) {

        hj();

    }

}

Q2

Ans:

class loading: when java compiler compiles code into byte code (.class file) then this has to be loaded into JVM. and this is called class loading.

when class is loaded then memory for different things of our code is allocated in his suitable area. like class(blue print) goes to method area, objects gets memory space to stack area etc.

Q3

Ans: no, local variable cannot be marked into static because static is a class variable but local variable is a method variable.

Q4

Ans: By applying static keyword to a variable or block it is accessible at the time of class loading. and static variable has it’s memory location and it is also initialized by static block so static block is executed before the main method.

Q5

Ans: A static method is directly call from class without creating it’s instance. so it is called also as class method.

Q6

Ans: We use static block to assign a static variable.

Q7

Ans: Static variable is a class variable and it is created before execution whereas instance variable is a objects variable and it gets memory after creation of object.

Q8

Ans: static member does not need any object but non static members are object dependent.