HoneyWell

Find the output of the following Programs:

1.
```
public class Script1
{
	public static void main(Object[]args){
		int result = add(1, 2);
		System.out.println(result);
	}
	int add(int x, int y)
	{
		return x+y;
	}
	double add(int x, int y)
	{
		return x+y;
	}
}
```

2.
```
public class Script2
{
	public static void main(Object[]args){
		String str1 = "Hello";
		String str2 = "Hello";
		String str3 = new String("Hello"); //Using constructor

		if(str1==str2)
			Sysout("Equal 1");
		else
			Sysout("Not Equal 1");

		if(str1 == str3)
			Sysout("Equal 2");
		else
			Sysout("I am constructed using constructor")

		if(str1.equals(str3))
			Sysout("Equal 3")
		else
			Sysout("Not Equal 3")
```

3.
```
interface IParent
{
	void printValue();
}

interface Iparent_New extends IParent
{
	void demoPrint();
```

Testing Shastra

```
}

public class DemoClass implements IParent_New
{
        public static void Main(String[]args)
        {
                IParent_New parent_New=New DemoClass();
                parent.New.demoPrint():
        }
        public void demoPrint()
        {
                Sysout("Inside demoPrint");
        }
}
```

4.
```
try{
        try{
                res=num/0;
                Sysout("The result is" +res);
        }
        catch(ArithmeticException e){
                Sysout("divided by zero");
                throw new FileNotFoundException();
        }
        catch (FileNotFoundException e){
                Sysout("File not found");
        }
}
catch(Exception e){
        Sysout("Exception Found");
}
```

5.
```
class Animal{
        String getColour(){
                return "Black";
        }
}

class Dog extends Animal{
        String getColour(){
                return "White";
        }
}

public class Script2{
        public static void main(Object[]args){
                Animal animal = new Dog();
                Sysout(animal.getColour());
        }
}
```

Testing Shastra

6.
```
class Maps{
        public static void main(String[]args){
                HashMap obj = new HashMap();
                obj.put("A", new Integer(1));
                obj.put("B", new Integer(2));
                obj.put("C", new Integer(3));
                System.out.println(obj);
        }
}
```

7. Write a program to find wheather given no is Armstrong or not.
Example: Input - 153
Output - 1^3+5^3+3^3 = 153, so it is Armstrong no.

8. Write a program to Sort a given array without using library functions.
Array arr = {5,7,1,9,200,90,10,50,80}

9. Write a java program to count the number of words in a string.
String str = "You are given an array of numbers.Find out the array index or position.";

10.
```
int count =0;
        if(++count>0 && count++<2)
                Sysout("Inside IF");
        else
                Sysout("Inside Else");
```

11.
```
class evaluate{
        public static void main(String[]args){
                int arr[] = new int[] {0, 1, 2, 3, 4, 5, 6, 7, 8, 9};
                int n=6;
                n = arr[arr[n] / 2];
                Sysout(arr[n] / 2);
      }
   }
```

Testing Shastra