Task 1 :

1)Declare four variables without assigning value and print them in console
Code
```
var a,b,c,d;
console.log(a,b,c,d);
```
Output
Undefined undefined undefined undefined

2)get value of variable myVar as output
Code
```
var myVar = 1;
console.log("myVar");
```
Output
1

3)declare variables to store your first name, last name, marital status, country and age in multiple lines
Code
```
var firstName ="abc";
var lastName="def";
var maritalStatus="unmarried";
var country = "india";
var age =50;
```

4)declare variables to store your first name, last name, marital status, country and age in single line
Code
```
var people =[{firstName:"abc",lastName:"def",maritalStatus:"unmarried",country:"india",age:50}];
```

5)declare variables and assign string, boolean, undefined and null data types
Code
```
var a="avc";
var b=true;
var c=undefined;
var d=null;
console.log(a,b,c,d);
```
Output
avc true undefined null

Task 2:
1)square of a number
Code
```
var a=2;
```

```
console.log(a*a);
```
Output
4

2)swapping two numbers
Code
```
var a=2,b=3,t;
t=a;
a=b;
b=t;
console.log(a,b);
```
Output
3 2

3)addition of three numbers
code
```
var a=1,b=2,c=3;
console.log(a+b+c);
```
Output
6

4)power of any number x^y
Code
```
var a=2,b=3,v=1;
while(b!=0)
{
v*=a;
--b;
}
console.log(v);
```
Output
8

5)area of a triangle
Code
```
var a=2,b=3,c=4,s;
s=(a+b+c)/2;
console.log((Math.sqrt(s*(s-a)*(s-b)*(s-c))).toFixed(3));
```
Output
2.905

Task 3:

1)code

```
var s=[];
for(let i=1;i<8;i++)
{
    s=[];
    for(let j=1;j<=i;j++)
    {
        s.push("#");
    }
    console.log(s.join(""));
}
Output
#
##
###
####
#####
######
#######
```

2)iterate through string array and print its content
```
var strArray = ["<option>Jazz</option>","<option>Blues</option>","<option>New
Age</option>","<option>Classical</option>","<option>Opera</option>"];
for(let i=0;i<strArray.length;i++)
console.log(strArray[i]);
Output
Jazz

Blues

New Age

Classical

Opera
```

3)write code to count elements in the array without using length property
Code
```
var myarray = [11,22,33,44,55];
i=0;
while(myarray[i]!=undefined)
++i;
console.log(i);
Output
5
```

4)
code
```
var friends1 = ["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK","Chandran"];
var friends2 = ["Gabbar","Rajinikanth","Mass","Spiderman","Jeff","ET"];
var merged=[];
for(let i=0;i<friends1.length;i++)
merged.push(friends1[i]);
for(let i=0;i<friends2.length;i++)
merged.push(friends2[i]);
console.log(merged.sort());
```
Output
```
AAK CaptianAmerica Chandran ET Gabbar Jeff Jeff Mari MaryJane Mass
Munnabai Rajinikanth Spiderman
```