**1)**

<html>

<head>

<title>Star</title>

<body>

<script language="Javascript">

var x,y;

for(x=0;x<5;x++){

for(y=0;y<=x;y=y+1){

document.write("\*");

}

document.write("<br>");

}

</script>

</body>

</html>

**2)**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title></title>

</head>

<body>

<script>

var i,j,k;

for (i = 0; i<=2; i++){

if(i==0 || i==2){

for(j = 0; j<=5; j++){

document.writeln("\*");

}

}

else {

for (k = 0; k<=5; k++){

if(k==0 || k==5){

document.writeln("\*");

} else if(k==1){

document.writeln("a");

} else if(k==2){

document.writeln("b");

} else if(k==3){

document.writeln("c");

} else if(k==4){

document.writeln("d");

}

}

}

document.writeln("</br>");

}

</script>

</body>

</html>

**3)**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title></title>

</head>

<body>

<script>

var n = prompt('Input number',85);

if (n==0 || n <=49){

document.write("F");

}

else if (n==50 || n <=54){

document.write("D");

}

else if (n==55 || n <=59){

document.write("D+");

}

else if (n==60 || n <=64){

document.write("C-");

}

else if (n==65 || n <=69){

document.write("C");

}

else if (n==70 || n <=74){

document.write("C+");

}

else if (n==75 || n <=79){

document.write("B-");

}

else if (n==80 || n <=84){

document.write("B");

}

else if (n==85 || n <=89){

document.write("B+");

}

else if (n==90 || n <=94){

document.write("A-");

}

else if (n==95 || n <=100){

document.write("A");

}

</script>

</body>

</html>

**4)**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title></title>

</head>

<body>

<script>

var A = 1, B = 1;

document.write ('<p>A = ' + A); // A = 1

document.write ('<p>B = ' + B); // B = 1

var X = B / 2 - Math.pow(A,2) \* B + Math.sqrt (B);

document.write ('<p>X = ' + X); // X = 0.5

if (X==0.5){

document.write("<p>True");

}

else {

document.write("<p>False");

}

</script>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title></title>

</head>

<body>

<script>

var a=1,b=1;

var y=(Math.pow(a,2)\*b-Math.pow(b,1/2));

var x = 1/2;

document.write("x=",x,"<br>");

var c = (2\*(x+Math.pow(a,2)\*b-Math.pow(b,1/2)));

if (c==1){

document.write("True");

}

else {

document.write("False");

}

</script>

</body>

</html>

**Bonus**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title></title>

</head>

<body>

<script>

var n = prompt("san engiz",'');

if (n%2!=0){

document.write("tak");

}

else document.write("zhup");

</script>

</body>

</html>