**NAME : HAMZA ASLAM**

**ROLL NO : BITM S22-006**

**SECTION : BSIT-4A**

**INSTRUCTOR : SIR JAVAID IQBAL**

**QUIZ # 2:**

**TASK 1 :**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

        var num=prompt("enter a number");

        var linebreak="<br/>"

        if(num%2==0){

            document.write(" even number")

        }

        else{

            document.write("odd number")

        }

        document.write(linebreak);

   var num2=prompt("factorial");

   var result=1;

   for(i=0;i<=num2;i++){

    result=result\*i;

   }

   document.write(result);

   document.write(linebreak);

   var n=prompt("number" );

   var result=0;

   if(n==0 || n==1){

    result=1;

   }

   for(i=2;i<n;i++){

   if(n%i==0){

    result=result+1;

   }

   }

   if(result>0){

    document.write("NUMER IS NOT A PRIME NUMBER")

   }

   else{

    document.write("NUMER IS A PRIME NUMBER")

   }

   </script>

</body>

</html>

**TASK 2 :**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

    var eng   = 85;

    var engcr = 3 ;

    var pp    = 72;

    var ppcr  = 3 ;

    var web   = 87;

    var webcr = 4 ;

    var isl   = 87;

    var islcr = 2 ;

    var itpm  = 79;

    var itpmcr= 3 ;

    var gradingpoint=0, result=0;

    if(eng<=100 && eng>=85) {

        gradingpoint = gradingpoint + (engcr \* 4);

    }

    else if(eng<85 && eng>=80) {

        gradingpoint = gradingpoint + (engcr \* 3.67);

    }

    else if(eng<80 && eng>=75){

        gradingpoint = gradingpoint + (engcr \* 3.33);

    }

    else if(eng<75 && eng>=70){

        gradingpoint = gradingpoint + (engcr \* 3);

    }

    else if(eng<70 && eng>=60){

        gradingpoint = gradingpoint + (engcr \* 2.67);

    }

    else if(eng<60 && eng>=50){

        gradingpoint = gradingpoint + (engcr \* 2.03);

    }

    else if(eng<50 ){

        gradingpoint = gradingpoint + (engcr \* 2);

    }

    // SECOND SUBJECT

    if(pp<=100 && pp>=85) {

        gradingpoint = gradingpoint + (ppcr \* 4);

    }

    else if(pp<85 && pp>=80) {

        gradingpoint = gradingpoint + (ppcr \* 3.67);

    }

    else if(pp<80 && pp>=75){

        gradingpoint = gradingpoint + (ppcr \* 3.33);

    }

    else if(pp<75 && pp>=70){

        gradingpoint = gradingpoint + (ppcr \* 3);

    }

    else if(pp<70 && pp>=60){

        gradingpoint = gradingpoint + (ppcr \* 2.67);

    }

    else if(pp<60 && pp>=50){

        gradingpoint = gradingpoint + (ppcr \* 2.03);

    }

    else if(pp<50 ){

        gradingpoint = gradingpoint + (ppcr \* 2);

    }

    // Third Subject

    if(pp<=100 && pp>=85) {

        gradingpoint = gradingpoint + (ppcr \* 4);

    }

    else if(pp<85 && pp>=80) {

        gradingpoint = gradingpoint + (itpmcr \* 3.67);

    }

    else if(pp<80 && pp>=75){

        gradingpoint = gradingpoint + (pp \* 3.33);

    }

    else if(pp<75 && pp>=70){

        gradingpoint = gradingpoint + (pp \* 3);

    }

    else if(pp<70 && pp>=60){

        gradingpoint = gradingpoint + (pp \* 2.67);

    }

    else if(pp<60 && pp>=50){

        gradingpoint = gradingpoint + (pp \* 2.03);

    }

    else if(pp<50 ){

        gradingpoint = gradingpoint + (pp \* 2);

    }

    // FOURTH SUBJECT

    if(isl<=100 && isl>=85) {

        gradingpoint = gradingpoint + (islcr \* 4);

    }

    else if(isl<85 && isl>=80) {

        gradingpoint = gradingpoint + (islcr \* 3.67);

    }

    else if(isl<80 && isl>=75){

        gradingpoint = gradingpoint + (islcr \* 3.33);

    }

    else if(isl<75 && isl>=70){

        gradingpoint = gradingpoint + (islcr \* 3);

    }

    else if(isl<70 && isl>=60){

        gradingpoint = gradingpoint + (islcr \* 2.67);

    }

    else if(isl<60 && isl>=50){

        gradingpoint = gradingpoint + (islcr \* 2.03);

    }

    else if(isl<50 ){

        gradingpoint = gradingpoint + (islcr \* 2);

    }

    // FIFTH SUBJECT

    if(web<=100 && web>=85) {

        gradingpoint = gradingpoint + (webcr \* 4);

    }

    else if(web<85 && web>=80) {

        gradingpoint = gradingpoint + (webcr \* 3.67);

    }

    else if(web<80 && web>=75){

        gradingpoint = gradingpoint + (webcr \* 3.33);

    }

    else if(web<75 && web>=70){

        gradingpoint = gradingpoint + (webcr \* 3);

    }

    else if(web<70 && web>=60){

        gradingpoint = gradingpoint + (webcr \* 2.67);

    }

    else if(web<60 && web>=50){

        gradingpoint = gradingpoint + (web \* 2.03);

    }

    else if(web<50 ){

        gradingpoint = gradingpoint + (webcr \* 2);

    }

    result= result+(gradingpoint/15);

    document.write(result);

    </script>

</body>

</html>