BB EQZOL E MOLIK

INSTRUCTER

NAME	MUHAMMAD JUNAID
ID#	16027
SECTION	A
DEP	BS (SE)
LAB	PROGRAMMING FUNDAMENTAL

Read A, B and C representing the three sides of a triangle. Write a program to find out its area the formula is given below:

```
WHAMMAD JUNAID ID 16027
1 #include<iostream>
                                                       Enter three sides of triangle:10
2 #include<conio.h>
3 #include<math.h>
                                                       10
                                                       Area : 36.6606
4 using namespace std;
5 ☐ int main(){
                                                        Process exited after 17.52 seconds with return value 0
6
                                                        Press any key to continue . . .
        printf("MUHAMMAD JUNAID ID 16027\n");
7
8
9
10
         float a,b,c,s,area;
         cout<<"Enter three sides of triangle:";</pre>
11
         cin>>a>>b>>c;
12
13
         s = (a+b+c)/2;
        area = sqrt(s*(s-a)*(s-b)*(s-c));
14
         cout<<"Area : "<<area<<endl;</pre>
15
16
         return 0;
17 L
```

Write a C++ program to get marks obtained by a student in percentage P and then find the division according to the below rules:

- If Percentage P is above or equal to 60 then display......1st Division.
- If Percentage P is between 50 & 59 then display......2nd Division.

If Percentage P is less than 40 then display......Fail.

1	#include <iostream></iostream>	MUHAMMAD JUNAID ID 16027
2	#include <conio.h></conio.h>	Enter 1st Subject Marks
3	#include <math.h></math.h>	
4	using namespace std;	100
5日	<pre>int main(){</pre>	Enter 2nd Subject Marks
6 T	and the state of the second	30
7	printf("MUHAMMAD JUNAID ID 16027\n");	Enter 3rd Subject Marks
8	P	:
9	int m1 , m2 , m3 ;	70
10	int total = 300;	The Total Marks:200
11	int obt ;	The Percentage:66
12	int per;	1st Div
13	int per y	
14	<pre>cout<<"Enter 1st Subject Marks"<<endl;< pre=""></endl;<></pre>	
15	cin>>n1;	Process exited after 4.988 seconds with return value 0
16	cout<<"Enter 2nd Subject Marks"< <endl;< td=""><td>Press any key to continue</td></endl;<>	Press any key to continue
17	cin>>m2;	
18	cout<<"Enter 3rd Subject Marks"< <endl;< td=""><td></td></endl;<>	
19	cin>>m3;	
20	CTUSSIN'S	
20		
22	obt = m1 + m2 + m3 ;	
22	<pre>cout << "The Total Marks:"<<obt<<endl;< pre=""></obt<<endl;<></pre>	
10000	coulse the total marks; scoulseendly	
24		
25		
26	(-14 % and) (+-+-).	
27	per = (obt * 100) / total;	
28	<pre>cout<<"The Percentage:"<<pre>r<<endl;< pre=""></endl;<></pre></pre>	
29	if/ann colf	
30	if(per>=60){	
31	and Back of B	
32	cout<<"1st Div";	
33) The if (and to be analysis)	
34日	else if (per>50 && per<60){	
35	and shad at the	
36	cout<<"2nd Div";	
37	}	
38	else if (per>40 && per<50){	
39		
40	cout << "3rd Div";	
41上	1	
42	else if (per<40){	
43	31. 21 5773	
44	<pre>cout<<"Fail";</pre>	
AF 1		

Write a C++ program to convert 5 feet to the equivalent number of (a) Inches (b) Yards. Where 1foot =12 Inches and 1 yard=3 feet)

2	<pre>#include<iostream> #include<conio.h></conio.h></iostream></pre>	MUHAMMAD JUNAID ID 16027 5 Feet in inches is:120 5 Feet in yards is:3.33333
4	<pre>#include<math.h> using namespace std; int main(){</math.h></pre>	Process exited after 0.1225 seconds with return value 0 Press any key to continue
7 8	<pre>printf("MUHAMMAD JUNAID ID 16027\n");</pre>	
9 10 11	<pre>int j=10 , s; float d;</pre>	
12 13 14	s=j*12; d=j/3.00;	
.4 .5 .6 .7	<pre>cout<<"5 Feet in inches is:"; cout<<s<<endl;< pre=""></s<<endl;<></pre>	
18 19 20	<pre>cout<<"5 Feet in yards is:"; cout<<d;< pre=""></d;<></pre>	
21 L	}	

Write a C++ program to find the sum of the following series: **2+4+6+8+10**?

```
14.1
                                                           MUHAMMAD JUNAID ID 16027
1 #include<iostream>
                                                           The Sum Of series 2,4,6,10 is:30
2 #include<conio.h>
3 #include<math.h>
                                                           Process exited after 0.1183 seconds with return value 0
                                                           Press any key to continue . . .
4 using namespace std;
5 ☐ int main(){
6
        printf("MUHAMMAD JUNAID ID 16027\n");
7
8
9
         int sum = 0;
         for(int i=2 ; i<=10 ; i+=2){</pre>
10日
11
12
             sum=sum+i;
         }
13
        cout<< The Sum Of series 2,4,6,10 is: << sum;</pre>
14
15 L }
```

Write a C++ program to input Hours Worked and Hour Rate of an Employee. Calculate and display the Gross-Pay, Tax and Net-Pay; where

Gross-Pay=Hour-Worked*Hour-Rate Tax=10% of Gross-Pay Net-Pay=Gross-Pay – Tax

1		UHAMMAD JUNAID ID 16027
2		otal work hour 10 our rate 8
3		ross salary = 70Press any key to continue
4	using namespace std;	
	int main(){	
6		
7		
8	printf <mark>(</mark> "MUHAMMAD JUNAID ID 16027\n"	
8 9	•	
0	float gp, tex, np, th , hr;	
1	tex=10;	
2	<pre>cout<<"total work hour \t";</pre>	
.3	cin>>th;	
.4	<pre>cout<<"hour rate \t";</pre>	
.5	cin>>hr;	
.6	gp=th * hr ;	
.7	np=gp-tex;	
.8		
.9	<pre>cout<<"gross salary = "<< np;</pre>	
0	system("pause");	
1		
.2		
3	2	
4 L	- }	