

Name	Awais Ghafar
ID	15269
Paper	P.F Lab
DEP.	CS
Teacher	Dr. Fazal Malik

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q1:

```
#include <iostream>
#include <conio.h>
#include <math.h>
using namespace std;
main()
{
    float A,B,C,S,area;
    cout<<"enter the value of A\n";
    cin>>A;
    cout<<"enter the value of B\n";
    cin>>B;
    cout<<"enter the value of C\n";
    cin>>C;
    cout<<"finding S\n S=";
    S=(A+B+C)/2;
    cout<<S;
    cout<<"\nfinding area\n area=";
    area=sqrt(S*(S-A)*(S-B)*(S-C));
    cout<<area;
}
```

q2:

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int number,percentage;
    cout<<"marks of student\n";
    cin>>number;
    percentage=number*100/550;
    cout << "Student get"<< percentage <<"% marks\n";
    if(percentage>=60)
    {
        cout<<"1st division";
    }
    else if(percentage<=50 && number>=59)
    {
        cout<<"2nd division";
    }
    else if(percentage<=40 && number>=49)
    {
        cout<<"3rd division";
    }
    else
    {
```

```
        cout<<"Fail";
    }
}
```

q3

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    float feet =5;
    float a,b;
    cout<<"converting 5 feet in inches\n";
    a=feet*12;
    cout<<a<<"inches";
    cout<<"\nconverting 5 feet in yards\n";
    b=feet/3;
    cout<<b<<"yards";
}
```

q4

```
#include <iostream>
#include <conio.h>
```

```
using namespace std;
main()
{
    int a,sum=0;
    for(a=1;a<=10;a++)
    {
        if(a%2==0)
        {
            sum=sum+a;
        }
    }
    cout<<sum;
}
```

q5

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    float worked_hours, hours_rate, gross_pay, Tax, Net_pay;
    cout<<"Enter worked hours = ";
    cin>>worked_hours;
```

```
cout<<"enter rate hours = ";
cin>>hours_rate;
cout<<"Gross_pay is = ";
gross_pay=worked_hours*hours_rate;
cout<<gross_pay;
cout<<"\nTax is = ";
Tax=gross_pay*10/100;
cout<<Tax;
cout<<"\nnet pay is = ";
Net_pay=gross_pay-Tax;
cout<<Net_pay;

}
```