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Lab/Class Tasks and Assignment

1. Celsius to Fahrenheit:

```
#include<iostream>
using namespace std;

int main()
{
    float cel, far;
    cout<<"\nEnter the temperature in celsius "<<endl;
    cin>>cel;
    far = 1.8*cel+32;
    cout<<"The temperature in Fahrenheit is "<<far<<endl;
    return 0;
}
```

2. Foot and Inches to Centimeter (Programs 1):

```
3. #include<iostream>
4. using namespace std;
5.
6. int main()
7. {
8.     int feet, inches;
9.     float value, in;
10.    float Total_inches;
11.
12.    cout<<"\nEnter the length in feets or feet.inches"<<endl;
13.    cin>>value; // for example: value = 34.5
14.    feet = value; // because feet is an integer then feet = 34
15.    in = value - feet; // in = 0.5
16.    if (in >= 0.1 && in <= 0.9) // true
17.    {
18.        inches = in * 10; // inches = 5
19.    }
20.    if (in >=0.10 && in <= 0.12) // false
21.    {
22.        inches = in * 100;
23.    }
```

```

24.     if (in == 0)
25.     {
26.         inches = 0;
27.     }
28.
29.     Total_inches = feet*12 + inches; // 34 * 12 + 5 = 413
30.     cout<<"Total inches are "<<Total_inches<<endl;
31.
32.     float centi = Total_inches * 2.54;
33.     cout<<"Total centimeters are "<<centi<<endl;
34.
35.     return 0;
36.}

```

3. Foot and Inches to Centimeter (Programs 2):

```

4. #include<iostream>
5. using namespace std;
6.
7. int main()
8. {
9.     int choice;
10.    int feet, inches;
11.    float value, in;
12.    float Total_inches;
13.
14.    cout<<"\n1) feet without decimal"<<endl;
15.    cout<<"2) feet with decimal"<<endl;
16.    cin>>choice;
17.
18.    switch (choice)
19.    {
20.        case 1:
21.
22.            cout<<"Enter the length in feet"<<endl;
23.            cin>>feet;
24.            Total_inches = feet * 12;
25.            cout<<"Total inches are "<<Total_inches<<endl;
26.            break;
27.
28.        case 2:
29.
30.            cout<<"Enter the length in feet.inches"<<endl;
31.            cin>>value; // for example: value = 34.5
32.            feet = value; // because feet is an integer then feet = 34
33.            in = value - feet; // in = 0.5
34.            if (in >= 0.1 && in <= 0.9) // true
35.            {

```

```

36.         inches = in * 10; // inches = 5
37.     }
38.     if (in >=0.10 && in <= 0.12) // false
39.     {
40.         inches = in * 100;
41.     }
42.     if (in == 0)
43.     {
44.         inches = 0;
45.     }
46.
47.
48.     Total_inches = feet*12 + inches; // 34 * 12 + 5 = 413
49.     cout<<"Total inches are "<<Total_inches<<endl;
50.     break;
51.
52.     default:
53.         cout<<"Please Enter the option mention above"<<endl;
54.         main();
55.         break;
56.     }
57.
58.     float centi = Total_inches * 2.54;
59.     cout<<"Total centimeters are "<<centi<<endl;
60.
61.     return 0;
62.}

```

4. Monthly Package and Bonus:

```

#include<iostream>
using namespace std;

int main()
{
    float sales, bonus;
    int jr, cr, ty;
    cr = 2023;

    cout<<"Enter the Totals Sales made for the month "<<endl;
    cin>>sales;

    {
        if (sales >= 5000 && sales < 10000 )
        {
            bonus = sales*3/100;
            cout<<"Employ recives 3 percent comition which is "<<bonus<<"$"<<endl;

```

```

    }
    if (sales = 10000)
    {
        bonus = sales*6/100;
        cout<<"Employ recives 6 persent comition which is "<<bonus<<"$"<<endl;
    }

}

cout<<"\nEnter the joining year of an employ"<<endl;
cin>>jr;
ty = cr - jr;

{
    if (ty <= 5 && ty >= 1)
    {
        cout<<"This employ is working in this compony for "<<ty<<" years"<<endl;
        cout<<"The bonous is 10$ for this employ"<<endl;

    }
    else if (ty > 5)
    {
        cout<<"This employ is working in this compony for "<<ty<<" years"<<endl;
        cout<<"The bonous is 20$ for this employ"<<endl;

    }
    else
    {
        cout<<"Please enter the joining year"<<endl;
        main();
    }
}

cout<<"\n"<<endl;
return 0;
}

```

5.

```

#include<iostream>
using namespace std;

int main()
{
    cout<<"                                "<<endl;
    cout<<"          /          ||          \\"<<endl;
    cout<<"          /          ||          \\"<<endl;
    cout<<"          /          ||          \\"<<endl;

```

```
cout<<" _____ "<<endl;
cout<<" | " <<endl;
cout<<" |           My Car           | " <<endl;
cout<<" _/----\\ _____ /----\\ " <<endl;
cout<<"  \\----/                \\----/ " <<endl;
cout<<" " <<endl;
return 0;
}
```