

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{    int num;
```

```
cout<<"enter a number";
```

```
cin>>num;
```

```
if(num>0)
```

```
    if(num>100)
```

```
    {cout<<"number is large";
```

```
    }
```

```
    else
```

```
    {cout<<"number is small";
```

```
    }
```

```
else if(num<0)
```

```
    if(num<100)
```

```
    {cout<<"number is very small";
```

```
    }
```

```
    else
```

```
    {cout<<"number is small and negative";
```

```
    }
```

```
else
```

```
    {cout<<"number is 0";
```

```
    }    return 0;    }
```

Task 1

Compiler Resources Compile Log Debug Find Re

enter a number 111

number is large

Process exited after 3.592 seconds with return value 0

Press any key to continue . . .

```

task 1.cpp  nested task 2.cpp  nested task 4.cpp  Untitled4  switch calculator.cpp  Untitled6  [*] tough task.cpp  sw
#include<iostream>
using namespace std;
int main()
{   int age;
    cout<<"enter the age";
    cin>>age;

    if(age<0)
    {cout<<"invalid";
    }
    if(age>0&&age<12)
    {cout<<"child";
    }
    if(age>13&&age<19)
    {   if(age==13)
        {cout<<"just a teen";
        }
        else
        {cout<<"teenager";
        }
    }
    if(age>20&&age<60)
    {   else
        {cout<<"teenager";
        }
    }
    if(age>20&&age<60)
    {cout<<"adult";}
    else
    {cout<<"senior citizen";
    }
    return 0;
}

```

enter the age 61
senior citizen

Process exited after 5.594 seconds with return value 0
Press any key to continue . . .

Task 2


```

1 #include<iostream>
2 using namespace std;
3 int main()
4 { char op;
5 cout<<"enter operators(+,-,*,/):";
6 cin>>op;
7 int number1,number2,calculation;
8 cout<<"enter two numbers:";
9 cin>>number1>>number2;
10 switch(op)
11 {case '+':
12     calculation=number1+number2;
13     cout<<"calculation:"<<number1<<"+ "<<number2<<"="<<calculation<<endl;
14     break;
15 case '-':
16     calculation=number1-number2;
17     cout<<"calculation:"<<number1<<"- "<<number2<<"="<<calculation<<endl;
18     break;
19 case '*':
20     calculation=number1*number2;
21     cout<<"calculation:"<<number1<<"* "<<number2<<"="<<calculation<<endl;
22     break;

```

Compiler Resources Compile Log Debug Find Results Close

```

break;
case '/':
    if(number2!=0){
        calculation=number1/number2;
        cout<<"calculation:"<<number1<<"/ "<<number2<<"="<<calculation<<endl;
    }
    else
    {cout<<"error because division by 0"<<endl;
    }
    break;
default:
    cout<<"error: invalid operator!"<<endl;
    break;
} return 0;

```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

```

enter operators(+,-,*,/): *
enter two numbers:44 66
calculation:44*66=2904

```

Process exited after 10.45 seconds with return value 0
Press any key to continue . . . |

Task 3

nested task 1.cpp nested task 2.cpp nested task 4.cpp Untitled4 switch calculator.cpp Untitled6 tough task.c

```

#include <iostream>
#include <iomanip>

using namespace std;

int main() {
    double balance = 1000.00; // Initial balance
    char serviceType;
    double amount;

    cout << "Bank Operations Menu:" << endl;
    cout << "D = Deposit" << endl;
    cout << "W = Withdraw" << endl;
    cout << "T = Transfer" << endl;

    cout << "Enter the type of service (D/W/T): ";
    cin >> serviceType;
    serviceType = toupper(serviceType); // Convert to uppercase

    if (serviceType == 'D' || serviceType == 'W' || serviceType == 'T') {
        cout << "Enter the amount: ";
        cin >> amount;
    }
}

```

task 4

```

    cin >> amount;

    switch (serviceType) {
        case 'D':
            amount -= amount * 0.005; // 0.5% charge
            balance += amount;
            cout << "Deposit successful!" << endl;
            break;
        case 'W':
            amount += amount * 0.015; // 1.5% charge
            if (balance >= amount) {
                balance -= amount;
                cout << "Withdraw successful!" << endl;
            } else {
                cout << "Insufficient balance!" << endl;
                return 1; // Exit if insufficient balance
            }
            break;
        case 'T':
            amount += amount * 0.025; // 2.5% charge
            if (balance >= amount) {
                balance -= amount;
            }
            break;
    }
}

```

Compiler Resources Compile Log Debug Find Results Close

Compilation ERRORS

(globals)

nested task 1.cpp nested task 2.cpp nested task 4.cpp Untitled4 switch calculator.cpp Untitled6 tough t

```

    balance -= amount;
    cout << "Transfer successful!" << endl;
} else {
    cout << "Insufficient balance!" << endl;
    return 1; // Exit if insufficient balance
}
break;
default:
    cout << "Invalid operation selected." << endl;
    return 1;
}

// Display results
cout << fixed << setprecision(2);
cout << "Amount after charges: |" << amount << endl;
cout << "Total remaining balance: " << balance << endl;
} else {
    cout << "Please select a valid service type (D/W/T)." << endl;
}
}

return 0;
}

```

Compile Log Debug Find Results Close

Bank Operations Menu:

D = Deposit

W = Withdraw

T = Transfer

Enter the type of service (D/W/T): d

Enter the amount: 44

Deposit successful!

Amount after charges: 43.78

Total remaining balance: 1043.78

Process exited after 63.51 seconds with return value 0

Press any key to continue . . . |

output task 4

```

#include<iostream>
using namespace std;
int main()
{ int n;
cout<<"enter the number of the weekday(1-7)";
cin>>n;
switch(n)
{
case 1:
    cout<<"Start of the weekend";
    break;
case 2:
    cout<<"it's Tuesday,stay productive.";
    break;
case 3:
    cout<<"Midway motivation!";
    break;
case 4:
    cout<<"Almost the weekend.";
    break;
case 5:
    cout<<"TGIF";
    break;
case 6:
    cout<<"Relax, it's Saturday";
    break;
case 7:
    cout<<"Enjoy your sunday!";
    break;
default:
    cout<<"invalid number";
} return 0; }

```

Task 5

Compilation results...

```

enter the number of the weekday(1-7) 6
Relax, it's Saturday
=====

```

```

Process exited after 4.346 seconds with return value 0
Press any key to continue . . . |







```



```

#include<iostream>
using namespace std;
int main()
{
    int score;
    cout<<"enter the score";
    cin>>score;
    if(score>=90)
    {cout<<"A";
    }
    if(score>80&&score<89)
    {
        if(score>=85)
        {cout<<"B+";
        }
        else
        {cout<<"B";
        }
    }
    if(score>70&&score<79)
    {cout<<"B";
    }
    if(score>70&&score<79)
    {
        if(score>=75)
        {cout<<"C+";
        }
        else
        {cout<<"C";
        }
    }
    if(score>60&&score<69)
    {cout<<"D";
    }
    if(score<60)
    {cout<<"F";
    }
    return 0;
}

```

 Compiler
  Resources
  Compile Log
  Debug
  Find Results
  Close

enter the score 66

process exited after 2.192 seconds with return value 0
 press any key to continue . . . |

task 6