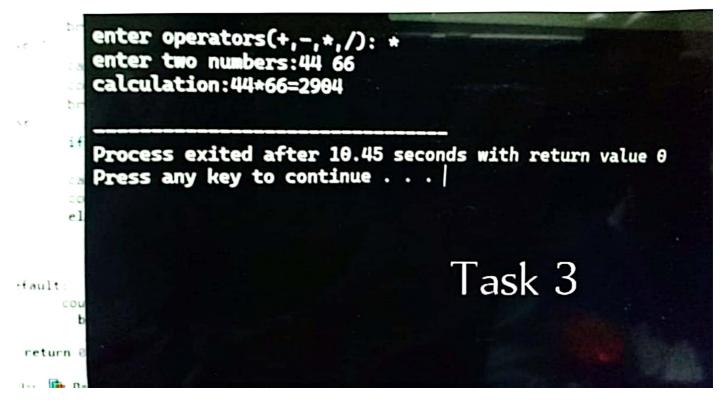
```
#include<iostream>
    using namespace std;
    int main()
             int num;
    cout<<"enter a number";
    cin>>num;
    if(num>0)
        if(num>100)
        {cout<<"number is large";
                                   Task 1
        else
        {cout<<"number is small";
   else if(num<0)
         if(num<100)
         {cout<<"number is very small";
          else
        {cout<<"number is small and negative";
   else
        {cout<<"number is 0";
                return 0;
Compiler Resources ( Compile Log Debug Find Re
nter a number 111
umber is large
rocess exited after 3.592 seconds with return value \theta
ress any key to continue . . .
```

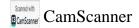
```
reask 1.cpp nested task 2.cpp nested task 4.cpp Untitled4 switch calculator.cpp Untitled6 [*] tough task.cpp sw
 #include<iostream>
 using namespace std;
 int main()
{ int age;
    cout<<"enter the age";
    cin>>age;
  if(age(0)
  {cout<<"invalid";
  if(age>088age<12)
{cout<<"child";</pre>
  if(age>13&&age<19)
      if(age == 13)
      {cout<<"just a teen";
      else
      {cout<<"teenager";
   if(age>2888age<68)
            else
            {cout<<"teenager";
    if(age>20&&age<60)
      {coutcc"adult";}
      else
      coutee"senior citizen";
      eturn 83
                                 Compile Log V Debug
                   Resources
enter the age 61
senior citizen
Process exited after 5.594 seconds with return value \theta
Press any key to continue . . .
                                Task 2
```

```
1
           #include(iostream>
       2
            using namespace std;
            int main()
       4 🗎 { char op;
            cout << "enter operators (+,-,*,/):";
            cin>>op;
            int number1, number2, calculation;
            cout<<"enter two numbers:";
            cin>>number1>>number2;
      10
            switch(op)
      11 ☐ {case '+':
      12
                      calculation=number1+number2;
                      cout<<"calculation:"<<number1<<"+"<<number2<<"="<<calculation<<endl;</pre>
      13
      14
                     break;
            case'-':
      15
      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(number 2!=0){
         calculation=number1/number2;
         cout<<"calculation:"<<number1<<"/"<<number2<<"="<<calculation<<endl;}</pre>
            {cout<<"error because division by 0"<<endl;
default:
        cout << "error: invalid operator!" << endl;
          break;
} return 0;}
mpiler Resources f Compile Log Debug  Find Results  Close
                  Compilation results ...
ort Compilation
```



```
streed task 1.cpp nested task 2.cpp nested task 4.cpp Untitled4 switch calculator.cpp Untitled6 tough task c
        #include <iostream>
        #include ciomanip>
        using namespace std;
  B = int main() {
             double balance = 1000.00; // Initial balance
             char serviceType;
  8
             double amount;
  9
 10
             cout << "Bank Operations Menu:" << endl;
 11
            cout << "D = Deposit" << endl;
cout << "W = Withdraw" << endl;
cout << "T = Transfer" << endl;</pre>
  12
  13
  14
             cout << "Enter the type of service (D/W/T): ";
  16
17
18
             cin >> serviceType;
             serviceType = toupper(serviceType); // Convert to uppercase
             if (serviceType -- 'D' || serviceType -- 'W' || serviceType -- 'T') (
                 cout ce "Enter the amount: ";
                 cin >> amount;
                     cin >> amount;
      3
4 E
                     switch (serviceType) {
                         case 'D':
                              amount -= amount * 0.005; // 0.5% charge
      26
                              balance += amount;
      27
                              cout << "Deposit successful!" << endl;
      28
                              break;
      29
                          case 'W'
      30
                              amount +- amount * 0.015; // 1.5% charge
      31
                              if (balance >= amount) (
       32
                                   balance -- amount;
       33
                                   cout << "Withdraw successful!" << endl;
       35
                                  cout « "Insufficient balance!" « endl;
                                   return 1; // Exit if insufficient belonce
        37
                              break;
                               amount += amount * 0.025; // 2.58 charge
                               if (balance >- amount) (
                                  balance - amount;
                                                            OCKAR IS AND
                    Resources all Compile Log & Debug IQ Find Results (1) Ch
                               Compliation results: co
               (globals)
 민입
nested task 1.cpp nested task 2.cpp nested task 4.cpp Untitled4 switch calculator.cpp Untitled6 tought
 43
                              balance -= amount;
                              cout << "Transfer successful!" << endl;
 44
45
                          ) else (
                              cout << "Insufficient balance!" << endl:
46
                              return 1; // Exit if insufficient balance
47
48
                         break;
49
50
                     default:
                         cout << "Invalid operation selected." << endl;
51
                         return 1;
52
53
54
               // Display results
55
               cout << fixed << setprecision(2);
56
               cout << "Amount after charges: " << amount << endl;
57
               cout << "Total remaining balance: " << balance << endl;
58
59
               cout << "Please select a valid service type (D/W/T)." << endl;
60
61
62
           return e;
63
                 Close Compile Log / Debug A Find Results ( Close
```

Bank Operations Menu: D = Deposit W = Withdraw T = TransferEnter 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



```
using namespace std;
 int main()
 { int n;
 cout<<"enter the number of the weekday(1-7)";</pre>
 cin>>n;
 switch(n)
 case 1:
      cout<<"Start of the weekend";
      break;
 case 2:
      cout<<"it's Tuesday, stay productive.";</pre>
      break;
  case 3:
      cout<< "Midway motivation!";
   case 4:
       cout<<"Almost the weekend.";
       break;
                                         Task 5
   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; }
Compiler Resources ( Compile Log Debug  Find Results  Close
                   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()
 Mint 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>78&&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
iter the score 66
rocess exited after 2.192 seconds with return value \theta
ress any key to continue . . .
```