



vLAB NUMBER # 09

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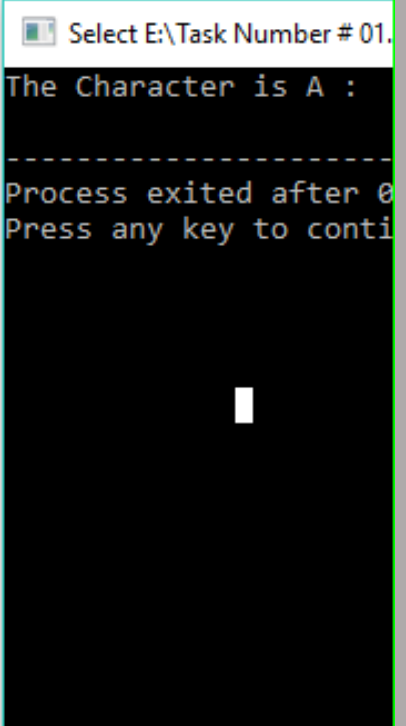
Date 28/11/2024

Roll number 2430\_0182

Programming Fundamental

TASK NUMBER # 01

```
ntitled1 Task Number # 01.cpp
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      char num = 'A';
6      switch(num)
7      {
8          case 'A':
9              cout<<"The Character is A :"<<endl;
10             break;
11             case 'B':
12                 cout<<"The Character is B :"<<endl;
13                 break;
14                 case 'C':
15                     cout<<"The Character is C :"<<endl;
16                     break;
17                     case 'D':
18                         cout<<"The Character is D :"<<endl;
19                         break;
20                         default :
21                             cout<<"Invalid charaecter :"<<endl;
22                             break;
23             }
24 }
```



## TASK NUMBER# 02

```

#include<iostream>
using namespace std;
int main()
{
    int num1;
    cout<<"Enter the number 1 :"<<endl;
    cin>>num1;
    int num2;
    cout<<"Enter the number 2 :"<<endl;
    cin>>num2;
    char oper;
    cout<<"Enter any Character :"<<endl;
    cin>>oper;
    switch(oper)
    {
        case '+' :
            cout<<"The Sum is :"<<num1 + num2<<endl;
            break;
        case '-' :
            cout<<"The Subtriction is :"<<num1 - num2<<endl;
            break;
    }
}

```

d1 Task Number # 01.cpp [\*] Task number # 02.cpp Untitled2.cpp

```

switch(oper)
{
    case '+' :
        cout<<"The Sum is :"<<num1 + num2<<endl;
        break;
    case '-' :
        cout<<"The Subtriction is :"<<num1 - num2<<endl;
        break;
    case '*' :
        cout<<"The multiplication is :"<<num1 * num2<<endl;
        break;
    case '/' :
        cout<<"The Sum is :"<<num1 / num2<<endl;
        break;
    case '%' :
        cout<<"The Sum is :"<<num1 % num2<<endl;
        break;
    default :
        cout<<"Invalid operator :"<<endl;
        break;
}
}

```

E:\Untitled2.exe

```

Enter the number 1 :
12
Enter the number 2 :
12
Enter any Character :
*
The multiplication is :144
-----
Process exited after 4.501 seconds
Press any key to continue . . .

```

## TASK NUMBER # 03

```
#include<iostream>
using namespace std;
int main()
{
    char alphabet;
    cout<<"Enter Any alphabet :"<<endl;
    cin>>alphabet;
    switch(alphabet)
    {
        case 'a' :
        case 'A' :
        case 'e' :
        case 'E' :
        case 'i' :
        case 'I' :
        case 'o' :
        case 'O' :
        case 'u' :
        case 'U' :
            cout<<"The alphabet is Vowel :"<<endl;
            break;
        default :
            cout<<"Invalid Alphabet :"<<endl;
```

E:\Task number # 03.exe

```
Enter Any alphabet :
A
The alphabet is Vowel
-----
Process exited after 0
Press any key to conti
```

## TASK NUMBER # 04

```

#include<iostream>
using namespace std;
int main()
{
    char grade;
    cout<<"The Grade is :"<<endl;
    cin>>grade;
    switch(grade)
    {
        case 'A' :
            cout<<"The Grade is Outsanding :"<<endl;
            break;
        case 'B' :
            cout<<"The Grade is Excellent :"<<endl;
            break;
        case 'C' :
            cout<<"The Grade is very Good :"<<endl;
            break;
        case 'D' :
            cout<<"The Grade is Good :"<<endl;

```

```

            cout<<"The Grade is very Good : "<<endl;
            break;
        case 'D' :
            cout<<"The Grade is Good :"<<endl;
            break;
        case 'E' :
            cout<<"The Grade is may be Good :"<<endl;
            break;
        default :
            cout<<"you have poor Grade"<<endl;
    }
}

```

E:\Task number # 04.exe

The Grade is :  
A  
The Grade is Outsanding :

TASK NUMBER # 05

```

#include<iostream>
using namespace std;
int main()
{
    double bank_system = (deposit,with_draw,check_balance)<<endl;
    char a = 'deposit';
    char b = 'with_draw';
    char c = 'check_balance';
    switch(bank_system)
    {
        case char a:
            cout<<"Enter the deposit :"<<endl;
            break;
        case char b:
            cout<<"Enter the with_draw :"<<endl;
            break;
        case char c :
            cout<<"Enter tthe Check balance :"<<endl;
            break;
        default :
            cout<<"Invalid Bank system :"<<endl;
    }
}

```

TASK NUMBER # 06

```
#include<iostream>
using namespace std;
int main()
{
    char colour;
    cout<<"Enter any Colour :"<<endl;
    cin>>colour;
    switch(colour)
    {
        case 'R' :
            cout<<"\n stop! : \n "<<endl;
            break;
        case 'G' :
            cout<<"\n Go! : \n "<<endl;
            break;
        case 'Y' :
            cout<<"\n Slow down! : \n "<<endl;
            break;
        default :
            cout<<"Invalid colour : "<<endl;
            break;
    }
}
```

E:\Qyestion number # 06.exe

Enter any Colour :

stop! :

## TASK NUMBER # 07

```
#include<iostream>
using namespace std;
int main()
{
    int months;
    cout<<"Enter the Seasons of month : "<<endl;
    cin>>months;
    switch(months)
    {
        case 1 : case 2:
            cout<<" \n This months consist of Autumn : \n " <<endl;
            break;
        case 3 : case 4 : case 5 : case 6 : case 7 : case 8: case 9:
            cout<<"\n This months consist of Summer : \n " <<endl;
            break;
        case 10 : case 11 : case 12 :
            cout<<"\n This months consists of winter : \n " <<endl;
            break;
    }
}
```

E:\Task number # 07.exe

Enter the Seasons of month :  
6

This months consist of Summer :

## TASK NUMBER # 08



```

#include<iostream>
using namespace std;
int main()
{
    int num1;
    cout<<" \n Enter the Number : \n "<<endl;
    cin>>num1;
    switch(num1)
    {
        case 0 :
            cout<<"zero : "<<endl;
            break;
        case 1 :
            cout<<" One : "<<endl;
            break;
        case 2 :
            cout<<"Two : "<<endl;
            break;
        case 3 :
            cout<<"Three : "<<endl;
            break;
        case 4 :
            cout<<"Four : "<<endl;
            break;
        case 5 :
            cout<<"Five : "<<endl;
            break;
    }
}

```

```

        case 5 :
            cout<<"Five : "<<endl;
            break;
        case 6 :
            cout<<"Six : "<<endl;
            break;
        case 7 :
            cout<<"Seven : "<<endl;
            break;
        case 8 :
            cout<<"Eight : "<<endl;
            break;
        case 9 :
            cout<<"Nine : "<<endl;
            break;
        default :
            cout<<"Invalid number : "<<endl;
            break;
    }
}

```

mpiler Res

ort Compilation

E:\Task number # 09.exe

Enter the Number :

5

Five :

Burhan Ahmad Eng