NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY



Fundamentals of Programming Assignment #03

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```
1 #include<iostream>
    2 using namespace std;
    3 int main()
    4 * {
           char Province;
    5
    6
           cout<<"Enter the first letter of the Province: ";
    7
           cin>>Province;
    8
           switch(Province)
    9 +
               case 's':
   10
               cout<<"Population of Sindh is 47.89 Million!";
   11
              break;
   12
              case 'p':
   13
               cout<<"Population of Punjab is 120 Million!";
   14
               break;
   15
              case 'b':
   16
   17
               cout<<"Population of Balochistan is 21.7 Million!";
              break;
   18
              case 'k':
   19
               cout<<"Population of KPK is 40.8 Million!";</pre>
   20
   21
               break;
   22
               default :
               cout<<"INVALID :(";
   23 +
   24
           return 0;
   25
   26 }
Link to this code: ❷ [copy]
options compilation execution
Enter the first letter of the Province: s
Population of Sindh is 47.89 Million!
```

```
1 #include<iostream>
 2 using namespace std;
3 int main()
4 - {
 5
        char Letter;
 6
        cout<<"Enter a Letter: ";</pre>
 7
        cin>>Letter;
 8
        switch(Letter)
9 +
10
            case 'a':
            case 'e':
11
            case 'i':
case 'o':
12
13
            case 'u':
14
15
            cout<<"The Letter you entered is a Vowel!";</pre>
16
            break;
            default :
17
18
            cout<<"The Letter you entered is a Consonant!";</pre>
19
20
        return 0;
21 }
```

```
Link to this code: ② [copy]

options | compilation | execution |
Enter a Letter: f
```

The Letter you entered is a Consonant!

```
1 #include<iostream>
   2 using namespace std;
3 int main()
   4 = {
   5
           int num;
           cout<<"Enter a number you want to check: ";
   6
   7
           cin>>num;
<u> 8</u>
           switch(num>0)
   9 +
  10
               case true:
                cout<<"The number you enntered is Positive";</pre>
  11
  12
               break;
               case false:
  13
               switch(num<0)
14
  15 *
                    case true:
  16
                    cout<<"The number you entered is Negative";</pre>
  17
  18
                   break;
               default:
  19
                cout<<"The number you entered is Zero";</pre>
  20
  21
  22
                   break;
  23
           return 0;
  24
  25
  26
```

Link to this code: ❷ [copy]

```
options compilation execution
Enter a number you want to check: -9
The number you entered is Negative
```

```
1 #include<iostream>
    2 using namespace std;
    3 int main()
           int num1, num2, num3;
    5
           cout<<"Enter three numbers you want to compare: "<<endl;</pre>
    6
           cin>>num1>>num2>>num3;
    7
           if(num1!=num2 && num1!=num3)
    8
    9 =
   10
               if(num1>num2 && num1>num3)
   11 -
                   cout<<num1<<" is Greatest!";
   12
   13
               else if(num2>num1 && num2>num3)
   14
   15 -
                   cout<<num2<<" is Greatest!";
   16
   17
   18
               else if(num3>num1 && num3>num2)
   19 -
                   cout<<num3<<" is Greatest!";</pre>
   20
   21
   22
           else
   23
   24 -
           {
               cout<<"Enter 3 different numbers";</pre>
   25
   26
           return 0;
   27
   28 ]
Link to this code: 2 [copy]
options compilation execution
Enter three numbers you want to compare:
90
13
90 is Greatest!
```

```
1 #include<iostream>
    2 using namespace std;
    3 int main()
   4 * {
           int age;
    5
           cout<<"Enter your age: ";</pre>
    6
           cin>>age;
    8
           if(age >= 13)
    9 +
               if(age<=19)
   10
   11 -
              cout<<"You are Teenager!";
   12
   13
   14
              else if(age>19)
   15 -
                   cout<<"You are Adult!";
   16
   17
   18
   19
           else
   20 -
           {
               cout<<"You are still Child!";
   21
   22
   23
           return 0;
   24 }
Link to this code: ∂ [copy]
options compilation execution
Enter your age: 19
You are Teenager!
```

```
1 #include<iostream>
   2 using namespace std;
   3 int main()
   4 = {
          char alpha;
   5
   6
          cout<<"Enter a Letter: ";</pre>
   7
          cin>>alpha;
          if(alpha>='a' && alpha<='z')
   8
   9 =
              if(alpha=='a' || alpha=='e' || alpha=='i' || alpha=='o' || alpha=='u')
  10
  11 -
                  cout<<"Vowel";
  12
              }
  13
              else
  14
  15 *
                  cout<<"Consonant";
  16
  17
  18
  19
           else
  20 -
              cout<<"Enter a valid Letter";</pre>
  21
  22
  23
           return 0;
24 }
```

Link to this code: 6 [copy]

```
options compilation execution

Enter a Letter: e

Vowel
```