

LAB MANUAL 3: -

MUHAMMAD SHEHRYAR ISMAIL

461599

ME 15 SECTION A

Task 1: -

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      char p;
6      cout<<"type province; p for Punjab, b for Balouchistan, s for Sindh, k for KPK.";
7      cin>>p;
8      switch(p){
9          case 'p':
10             cout<<"127 MILLION";
11             break;
12             case 'b':|
13                 cout<<"12.34 MILLION";
14                 break;
15             case 's':
16                 cout<<"57 MILLION";
17                 break;
18             case 'k':
19                 cout<<"40 MILLION";
20                 break;
21             default:
22                 cout<<"wrong character mentioned.";
23     }
```

```
type province; p for Punjab, b for Balouchistan, s for Sindh, k for KPK.b
12.34 MILLION
-----
Process exited after 0.531 seconds with return value 0
Press any key to continue . . .
```

TASK 2: -

```
27 char x;  
28 cout<<"enter alphabet"<<endl;  
29 cin>>x;  
30 switch(x){  
31     case 'a':  
32         cout<<"vowel";  
33         break;  
34     case 'e':  
35         cout<<"vowel";  
36         break;  
37     case 'i':  
38         cout<<"vowel";  
39         break;  
40     case 'o':  
41         cout<<"vowel";  
42         break;  
43     case 'u':  
44         cout<<"vowel";  
45         break;  
46     default:  
47         cout<<"consonant";  
48 }
```

```
enter alphabet  
b  
consonant  
-----  
Process exited after 0.7154 seconds with return value 0  
Press any key to continue . . .
```

TASK 3: -

```
48
49  int NUM1;
50  cout<<"enter number: ";
51  cin>>NUM1;
52  switch(NUM1>0){
53      case 1:
54          cout<<"number is positive.";
55          break;
56      case 2:
57          switch(NUM1<0)
58          {case 3:
59              cout<<"number is negative.";
60              break;
61          }
62          switch(NUM1==0){
63              case 4:
64                  cout<<"number is zero";
65                  break;
66              }
```

```
enter number: 6
number is positive.
-----
Process exited after 1.047 seconds with return value 0
Press any key to continue . . .
```

TASK 4: -

```
72 int age;
73 cout<<"enter age: ";
74 cin>>age;
75 if(age>=1 && age<=12)
76 {cout<<"child";
77 }
78 else if(age>=13 && age<=17)
79 {cout<<"teenager";
80 }
81 else if(age>=18)
82 {cout<<"adult";
83 }
84 if(age<0)
85 {cout<<"age is invalid";
86 }
```

```
enter age: 3
child
-----
Process exited after 0.6505 seconds with return value 0
Press any key to continue . . .
```

TASK 5: -

```
89 | int a, b, c;  
90 | cout<<"enter three numbers a,b and c: ";  
91 | cin>>a>>b>>c;  
92 | if(a>b && a>c)  
93 | {cout<<"a is greatest";  
94 | }  
95 | else if(b>c && b>a)  
96 | {cout<<"b is greatest";  
97 | }  
98 | else if(c>b && c>a)  
99 | {cout<<"c is greatest";  
100 | }  
101 | else  
102 | {cout<<"two or more numbers are equal";  
103 | }
```

```
enter three numbers a,b and c: 34  
566  
367  
b is greatest  
-----  
Process exited after 4.362 seconds with return value 0  
Press any key to continue . . .
```

