

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              }
67          }
```

```
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 . . .
```