```cpp
#include<iostream>
using namespace std;
int main()
{
char province;
cout<<"Enter first letter of name of province to know its population"<<endl;
cin>>province;
switch (province)
{
case 'p':
cout<<"The population of Punjab is 110 million.";
break;
case 's':
cout<<"The populationof Sindh is 48 million.";
break;
case 'k':
cout<<"The population of KPK is 35 million.";
break;
case 'b':
cout<<"The population of Balochistan is 12 million.";
break;
default:
cout<<"Enter a valid letter.";
break;
}
}
```

Compile Result

```
Enter first letter of name of province to k
now its population

p
The population of Punjab is 110 million.
[Process completed - press Enter]
```

Enter first letter of name of province to k
now its population
l
Enter a valid letter.
[Process completed - press Enter]

```cpp
#include<iostream>
using namespace std;
int main()
{
char alphabet;
cout<<"Enter any alpabet."<<endl;
cin>>alphabet;
switch (alphabet)
{
case 'a':
cout<<"The alphabet is a vowel.";
break;
case 'e':
cout<<"The alphabet is a vowel.";
break;
case 'i':
cout<<"The alphabet is a avowel.";
break;
case 'o':
cout<<"The alphabetisavowel.";
case 'u':
cout<<"The alphabet is a vowel.";
break;
default:
cout<<"The alphabetis a consonant.";
break;
}
}
```

```
Enter any alpabet.
a
The alphabet is a vowel.
[Process completed - press Enter]
```

```
Enter any alpabet.
y
The alphabetis a consonant.
[Process completed - press Enter]
```

```cpp
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5 int a,b;
6 cout<<"Enter the value of any number."<<endl;
7 cin>>a;
8
9 if(a!=0)
10 {
11 if(a>0)
12 {
13 b=1;
14 }
15 else if(a<0)
16 {
17 b=2;
18 }
19 else{
20 b=0;
21 }
22
23 switch(b)
24 {
25 case 0:
26 cout<<"The number is equal to zero.";
27 break;
28 case 1:
29 cout<<"It is a positive number.";
30 break;
31 case 2:
32 cout<<"The number is negative.";
33 break;
34 default:
35 cout<<"Invalid";
36 }
37 return 0;
38 }
39 }
```

Tab   {}   " "   ;   ↺   ⇧   ↻

=   \   &   ,   ⇐   ⇩   ⇨

```
Enter the value of any number.
99
It is a positive number.
[Process completed - press Enter]
```

```
Enter the value of any number.
-2000
The number is negative.
[Process completed - press Enter]
```

```cpp
#include<iostream>
using namespace std;
int main()
{
int age;
cout<<"Enter your age"<<endl;
cin>>age;

if (age>=13)
{
if (age<=19)
{
cout<<"You are a Teenager."<<endl;
}
else{
cout<<"You are an Adult."<<endl;
}
}
else{
cout<<"You are a Child."<<endl;
}
}
```

```
Enter your age
19
You are a Teenager.

[Process completed - press Enter]
```

```
Enter your age
1
You are a Child.

[Process completed - press Enter]
```

```cpp
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5 float a,b,c;
6 cout<<"Enter the value of a.(where a is any number)"<<endl;
7 cin>>a;
8
9 cout<<"Enter the valueo of b."<<endl;
10 cin>>b;
11
12 cout<<"Enter the value of c."<<endl;
13 cin>>c;
14
15 if (a!=b&&a!=c)
16 {
17 if (b==c)
18 {
19 cout<<"Enter unequal numbers"<<endl;
20 }
21 if (a>b&&a>c)
22 {
23 cout<<"The largest number is a."<<endl;
24 }
25 if (b>a&&b>c)
26 {
27 cout<<"The largest number is b."<<endl;
28 }
29 }
30 else{
31 cout<<"The largest number is c."<<endl;
32 }
33 }
```

Tab   {}   " "   ;   ↶   ⇧   ↷

=   \   &   ,   ⇦   ⇩   ⇨

```
Enter the value of a.(where a is any number
)
7
Enter the valueo of b.
8
Enter the value of c.
6
The largest number is b.

[Process completed - press Enter]
```

Enter the value of a.(where a is any number
)
8
Enter the valueo of b.
7
Enter the value of c.
6
The largest number is a.

[Process completed - press Enter]

```cpp
#include<iostream>
using namespace std;
int main()
{
char alphabet;

cout<<"Enter any English alphabet"<<endl;
cin>>alphabet;

if (alphabet>='a'&&alphabet<='z')
{
if (alphabet=='a'||alphabet=='e'||alphabet=='i'||alphabet=='o'||alphabet=='u')
{
cout<<"It is a vowel."<<endl;
}
else{
cout<<"It is a consonant"<<endl;
}
}
else{
cout<<"(Invalid input)"<<endl;
}
}
```

```
Enter any English alphabet
p
It is a consonant

[Process completed - press Enter]
```

```
Enter any English alphabet
e
It is a vowel.

[Process completed - press Enter]
```

Enter any English alphabet
7
(Invalid input)

[Process completed - press Enter]