

```

#include<iostream>

using namespace std;

int main()
{
//    TASK 1

    char prov;

    cout<<"enter province first letter (P for punjab, S for sindh, K for KPK and B for
balochistan"<<endl;

    cin>>prov;

    switch (prov)
    {

        case 'P':

            cout<<" the population for punjab is 127,474,000 "<<endl;

            break;

        case 'S':

            cout<<" the population of sindh is 57,931,907 "<<endl;

            break;

        case 'K':

            cout<<" the population of KPK is 39,596,664 "<<endl;

            break;

        case 'B':

            cout<<" the population of balochistan is 14,894,402"<<endl;

            break;

        default :

            cout<<" please enter the specified provinces in capital letters"<<endl;

            break;

    }

    TASK 2

```

```
char alp;

cout<<"please input the alphabet ";

cin>>alp;

switch (alp)
{
case 'a':
case 'e':
case 'i':
case 'o':
case 'u':
case 'A':
case 'E':
case 'I':
case 'O':
case 'U':
    cout<<" the alphabet you inserted is a vowel"<<endl;
    break;
default:
    cout<<" the alphabet you inserted is a consonant"<<endl;
    break;
}
```

TASK 3

```
int num;

cout<<"insert number ";

cin>>num;

switch (num>0)
{
    case true:
```

```

        cout<<"the number is positive"<<endl;
        break;
    }

    switch (num<0)
    {
        case true:
            cout<<"the number is negative"<<endl;
            break;

    }

    switch (num==0)
    {
        case true:
            cout<<"the number is zero"<<endl;
            break;

    }
}

```

//TASK 4

```

int age;
cout<<"enter your age ";
cin>>age;

if (age>19)
    {cout<<"you are an adult"<<endl;}
else
{
    if (age<=19&&age>=13)
        {cout<<"you are a teen"<<endl;}
    else
        {cout<<"you are a child"<<endl; }
}

```

```
}
```

```
//TASK 5
```

```
int x,y,z;
```

```
cout<<"enter number 1 ";
```

```
cin>>x;
```

```
cout<<"enter number 2 ";
```

```
cin>>y;
```

```
cout<<"enter number 3 ";
```

```
cin>>z;
```

```
if (x-y>0&& x-z>0)
```

```
{cout<<"number 1 is greatest number"<<endl;}
```

```
else
```

```
{
```

```
if (y-x>0&& y-z>0)
```

```
{cout<<"number 2 is greatest number"<<endl;}
```

```
else if(z-x>0&& z-y>0)
```

```
{cout<<"number 3 is greatest number"<<endl;}
```

```
}
```

```
TASK 6
```

```
char alph;
```

```
cout<<"please enter the alphabet ";
```

```
cin>>alph;
```

```
if(alph=='a' || alph=='e' || alph=='i' || alph=='o' || alph=='u' || alph=='A' || alph=='E' || alph=='I' ||  
alph=='O' || alph=='U')
```

```
{cout<<"the alphabet is a Vowel"<<endl;}
```

```
else
```

```
{cout<<"the alphabet is a consonant"<<endl;}
```

```
return 0;
```

```
}
```

The console for task 1 is:

```
enter province first letter (P for punjab, S for sindh, K for KPK and B for balochistan)
P
the population for punjab is 127,474,000
```

The console for task 2 is:

```
please input the alphabet a
the alphabet you inserted is a vowel
```

The console for task 3 is:

```
insert number 2
the number is positive
```

The console for task 4 is:

```
enter your age 13
you are a teen
```

The console for task 5 is:

```
enter number 1 2
enter number 2 3
enter number 3 4
number 3 is greatest number
```

The console for task 6 is:

```
please enter the alphabet a
the alphabet is a Vowel
```