CS-114 – Fundamental of Programing

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LAB MANUAL #3

HOME TASK

ME 15 Section B

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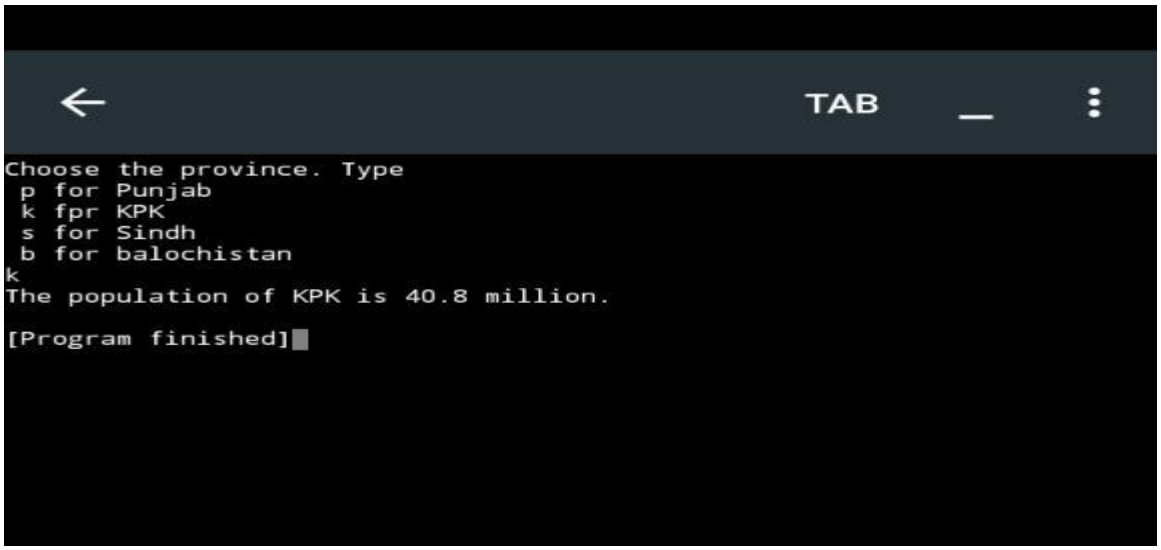
Task 1

Code :

```
#include<iostream>
using namespace std;
int main()
{
	char a;
	cout<<"Choose the province. Type\n p for Punjab\n k fpr KPK\n s for Sindh\n b for
balochistan"<<endl;
	cin>>a;
	switch(a)
	{
		case 'p':cout<<"The population of Punjab is 127,474,000 "<<endl;
		break;
		case 'k':cout<<"The population of KPK is 40.8 million. "<<endl;
		break;
		case 's':cout<<"The population of Sindh is 54,858,515 "<<endl;
		break;
		case 'b':cout<<"The population of Balochostan is 21.7 million."<<endl;
		break;
		default:cout<<"enter a valid character.";
		break;
	}
	return 0;
}
```

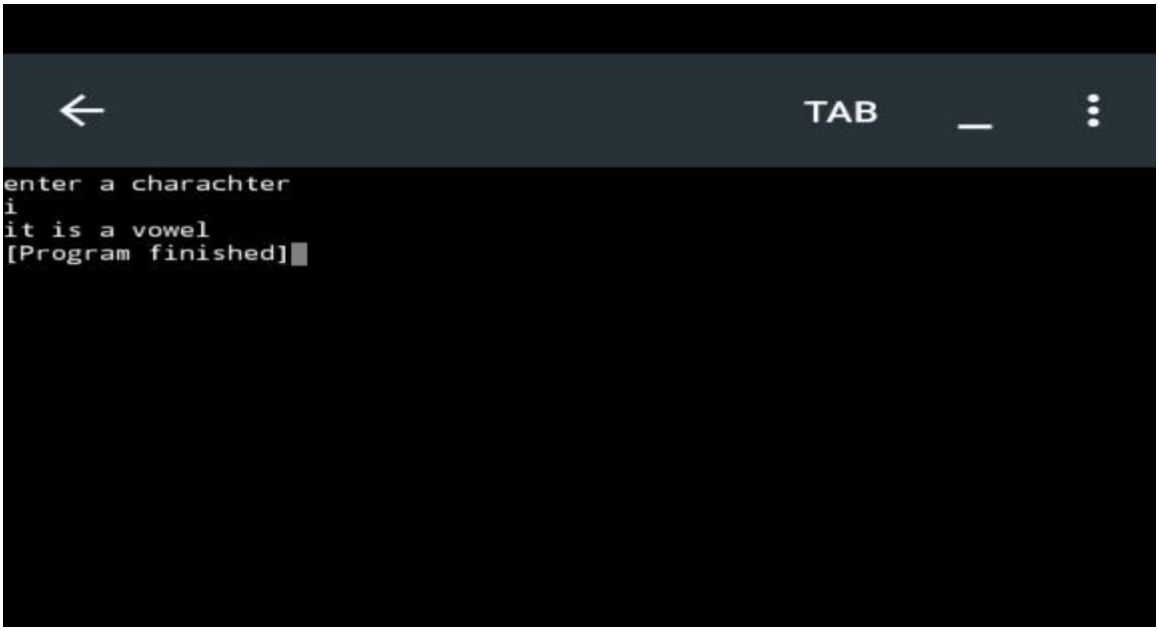
Output screen:



Task 2:

```
#include<iostream>
using namespace std;
int main()
{
	char a;
	cout<<"enter a charachter"<<endl;
	cin>>a;
	switch (a)
	{
		case 'a': case 'e': case 'i': case 'o': case 'u': cout<<"it is a vowel";
		break;
		default: cout<<"it is a consonant";
		break;
	}
	return 0;
}
```

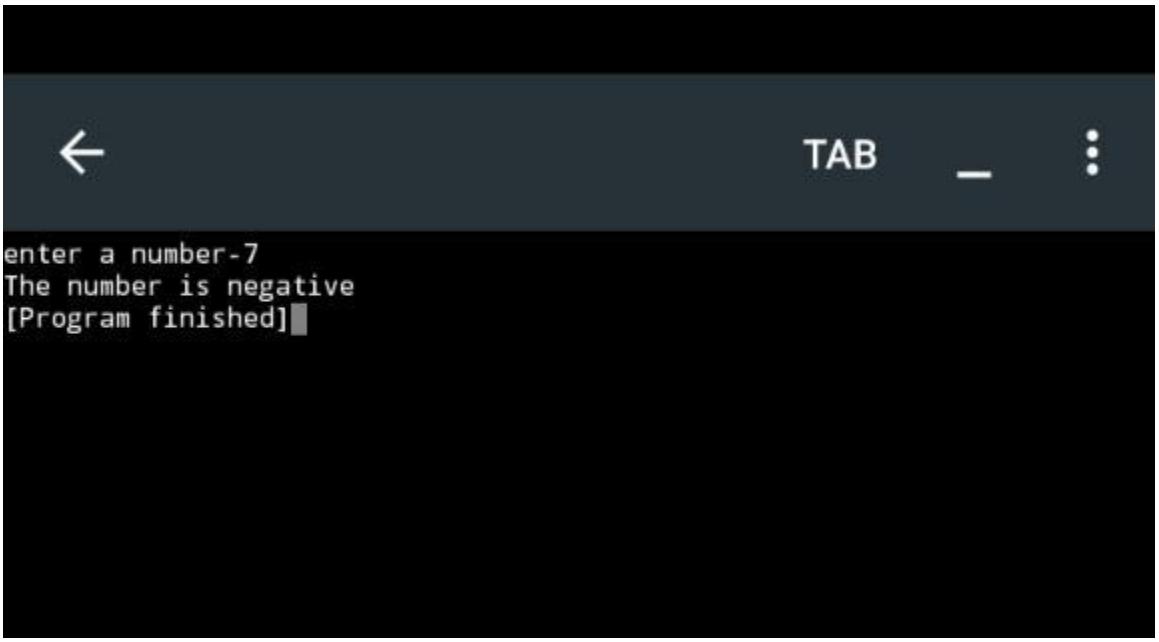
Output screen:



Task 3:

Code:
```
#include<iostream>
using namespace std;
int main()
{
	int a;
	cout<<"enter a number";
	cin>>a;
	switch(a>0)
	{
		case 1:cout<<"The number is positive";
		break;
		case 0:
		switch (a<0)
		{case 1: cout<<"The number is negative";
		break;
		case 0: cout<<"The number is zero";
		break; }
		break;
	}
	return 0;
}
```

Output screen:



Task 4:
Code:

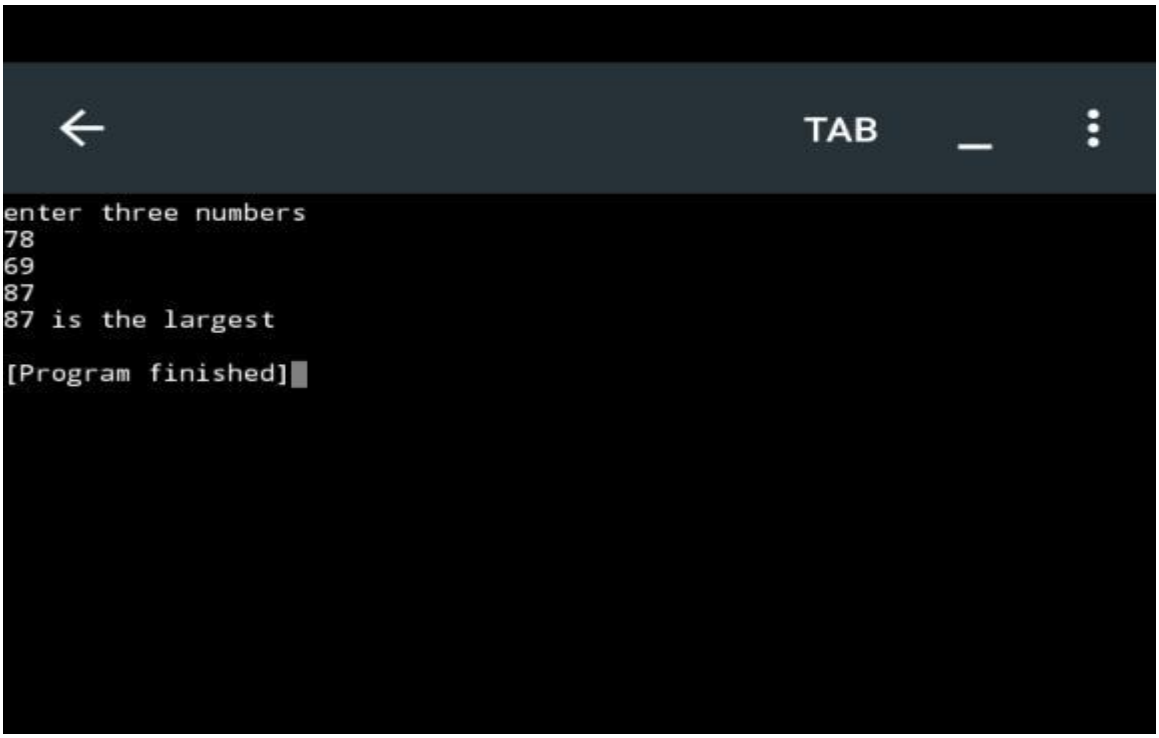
```
#include<iostream>
using namespace std;
int main()
{
	int age;
	cout<<"Enter the person's age"<<endl;
	cin>>age;
	if(age>19)
	cout<<"the person is an adult";
	else
	{if (age<13)
	cout<<"The person is a child";
	else
	cout<<"The person is a teenager";
	}
	return 0;
}
```

Output screen

Task 5:
Code:

```
#include<iostream>
using namespace std;
int main()
{
   int a, b, c;
   cout<<"enter three numbers"<<endl;
   cin>>a>>b>>c;
   if(a>b)
   {if (a>c)
   cout<<a<<" is the largest"<<endl;
   else
   cout<<c<<" is the largest"<<endl;
   }
   else
   {if(b>c)
   cout<<b<<" is the largest";
   else
   cout<<c<<" is the largest";
   }
         return 0;
}
```

Output screen :



Task 6:
Code:

```
#include<iostream>
using namespace std;
int main()
{
   char a;
   cout<<"enter an alphabet"<<endl;
   cin>>a;
   if(a=='a'||a=='e'||a=='i'||a=='o'||a=='u')
   cout<<"the entered alphabet is a vowel";
   else
   cout<<"it is a consonant";
         return 0;
}
```

Output screen