

Fundamentals of Programming

Lab Manual # 3

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Question # 1:

```
#include <iostream>

Using namespace std;

Int main(){

Char x;

Cout<<"Please input s for Sindh, p for punjab, k for KPK, b for
Balochistan"<<endl;

Cin>>x;

Switch(x){

Case 's':

Cout<<" The population od Sindh is 47,854,510";

Break;

Case 'p':

Cout<<"The population of Punjab is 109,989,655";

Break;

Case 'k':

Cout<<"The population of KPK is 30,508,920";
```

```

Break;
Case 'b':
Cout<<"The population of Balochistan is 12,335,129";
Break;
}

```

Question # 2:

```

#include <iostream>

Using namespace std;

Int main(){ 4.      Char alpha;

Cout<<"Enter alphabet";

Cin>>alpha; 7. Switch (alpha){

Case 'a':

Cout<<"Vowel";

Break ;

Case 'e':

Cout<<"Vowel";

Break ; 14.      Case 'l':

Cout<<"Vowel";

Break;

Case 'o':

Cout<<"Vowel";

Break;

Case 'A':

Cout<<"Vowel";

Break;

Case 'E':

```

```

Cout<<"Vowel";
Break;
Case 'I':
Cout<<"Vowel";
Break;
Case 'O':
Cout<<"Vowel";
Break;
Case 'U':
Cout<<"Vowel";
Break; 35.           Default:
Cout<<"Consonant";
Break;
}
}

```

Question # 3:

```

#include <iostream>
Using namespace std;
Int main()
{
    Int num;
    Cout << "Enter a number: ";
    Cin >> num;
    If (num > 0) {
        Cout << num << " is positive.";
    }
}

```

```

}
    Else if (num < 0) {
        Cout << num << " is negative.";
    }
    Else {
        Cout << num << " is zero.";
    }
    Return 0;
}

```

Question # 4:

```

#include <iostream>
Using namespace std;
Int main (){
    Int x;
    Cout<<"Enter age";
    Cin>>x;
    If (x>0){
        If (x>=13&& x<=19){
            Cout<<"Teenager";
        }
        Else if (x>0&& x<13){
            Cout<<"Child";
        }
        Else{
            Cout<<"Adult";
        }
    }
}

```

```
}
```

```
else { cout<<"Invalid age please re-enter";
```

```
}
```

Question # 5:

```
#include <iostream>
```

```
Using namespace std;
```

```
Int main(){
```

```
Int x,y,z;
```

```
Cout<<"enter first number";
```

```
Cin>>x;
```

```
Cout<<"enter second number";
```

```
Cin>>y;
```

```
Cout<<"enter thid number";
```

```
Cin>>z;
```

```
If (x>y&& x>z){
```

```
Cout<<"The first number is the greatest";
```

```
}
```

```
Else {
```

```
If (y>x&& y>z){
```

```
Cout<<"The second number is the greatest";
```

```
}
```

```
Else { cout<<"The third number is the greatest";
```

```
}
```

```
}
```

```
}
```

Question # 6:

```
#include <iostream>
```

```
Using namespace std;
```

```
Int main(){
```

```
Char x;
```

```
Cout<<"Enter alphabet";
```

```
Cin>>x;
```

```
If(x){
```

```
If(x=='a' || x=='e' || x=='l' || x=='o' || x=='u' || x=='A' || x=='E' || x=='I' || x=='O' || x=='U'){
```

```
Cout<<"The alphabet is a vowel";
```

```
}
```

```
Else {cout<<"The alphabet is a consonant";
```

```
}
```

```
}
```

```
}
```