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**DEPARTMENT OF MECHANICAL ENGINEERING  
  
Subject: Fundamentals of Programming  
Assignment No. 3  
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Semester No. 1  
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**FIRST PROGRAM**

#include<iostream>

using namespace std;

int main(){

char province;

cout<<"ENTER PROVINCE NAME YOU WANTED TO KNOW POPULATION "<<endl;

cout<<"p for punjab"<<endl;

cout<<"s for sindh"<<endl;

cout<<"k for kpk"<<endl;

cout<<"b for balochistan"<<endl;

cin>>province;

switch(province){

case 'p':

cout<<"THE POPULATION OF PUNJAB IS 127,474,000";

break;

case 's':

cout<<"THE POPULATION OF SINDH IS 54,858,515";

break;

case 'k':

cout<<"THE POPULATION OF kpk IS 40.8 million";

break;

case 'b':

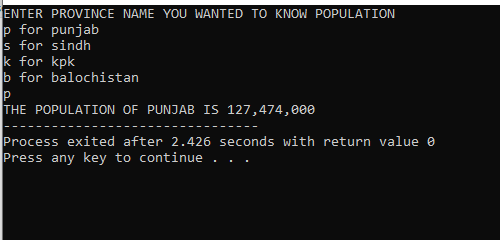
cout<<"THE POPULATION OF BALOCHISTAN IS 21.7 million";

break;

}

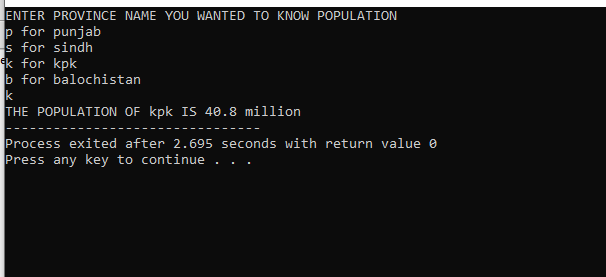
return 0;

}



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**SECOND PROGRAM**

#include<iostream>

using namespace std;

int main(){

char alphabet;

cout<<"ENTER ANY ALPHABET"<<endl;

cin>>alphabet;

switch(alphabet){

case 'a':

case 'e':

case 'i':

case 'o':

case 'u':

cout<<"IT IS VOWEL";

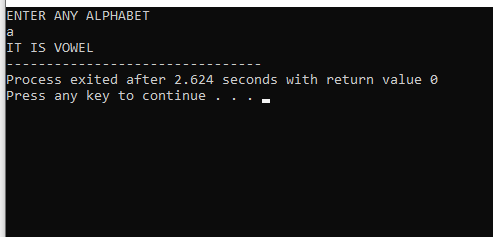
break;

default:

cout<<"IT IS CONSONANT";

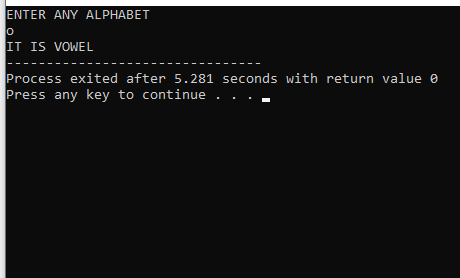
}

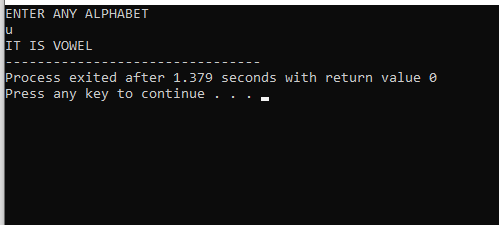
}

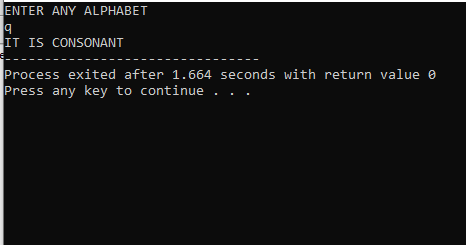


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**THIRD PROGRAM**

#include<iostream>

using namespace std;

int main(){

int number;

cout<<"ENTER ANY NUMBER :"<<endl;

cin>>number;

switch (number>0){

case 1:

cout<<"THE NUMBER IS POSITIVE"<<endl;

break;

case 0:

switch(number<0){

case 1:

cout<<"THE NUMBER IS NEGATIVE"<<endl;

break;

case 0:

cout<<"THE NUMBER IS ZERO"<<endl;

break;

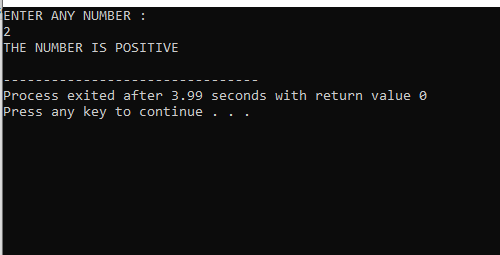
}

break;

}

return 0;

}



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**FOURTH PROGRAM**

#include<iostream>

using namespace std;

int main(){

int a;

cout<<"ENTER YOUR AGE IN YEARS"<<endl;

cin>>a;

if(a>=20){

cout<<"YOU ARE ADULT";

} else {

if (a <=19 && a >=13){

cout<<"YOU ARE STILL TEENAGER";

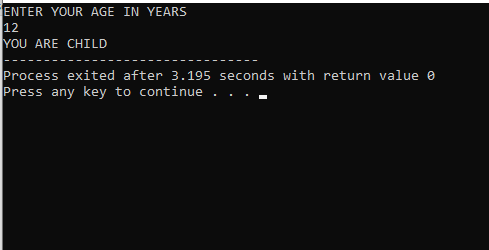
} else {

cout<<"YOU ARE CHILD";

}

}

}



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**FIFTH PROGRAM**

#include<iostream>

using namespace std;

int main(){

int m,n,b,greatest;

cout<<"ENTER FIRST NUMBER"<<endl;

cin>>m;

cout<<"ENTER THE SECOND NUMBER"<<endl;

cin>>n;

cout<<"ENTER THE THIRD NUMBER"<<endl;

cin>>b;

if (m > n) {

greatest = m;

} else {

if (n > b) {

greatest = n;

} else {

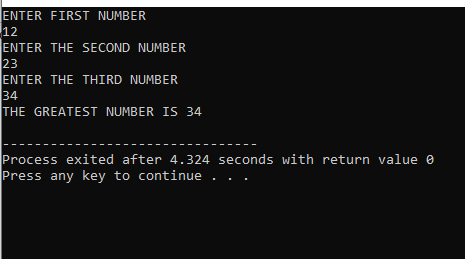
greatest = b;

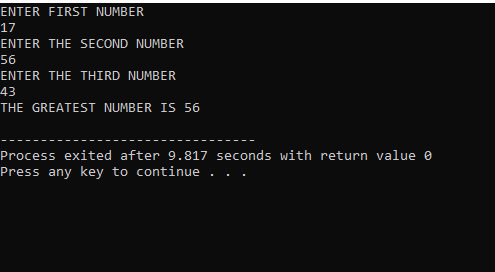
}

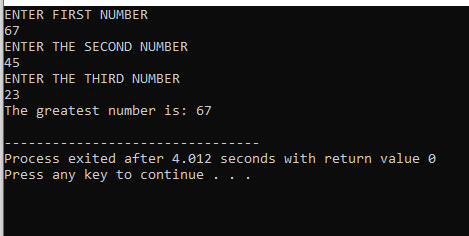
}

cout << "The greatest number is: " << greatest << endl;

return 0;

}





**SIXTH PROGRAM**

#include<iostream>

using namespace std;

int main(){

char alphabet;

cout<<"ENTER ANY ALPHABET"<<endl;

cin>>alphabet;

if(alphabet == 'a' || alphabet == 'e' || alphabet == 'i' || alphabet == 'o' || alphabet == 'u'){

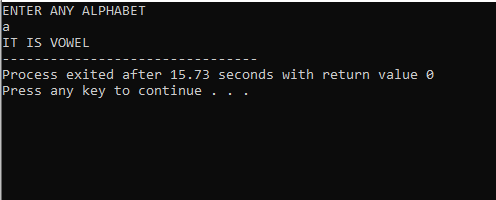
cout<<"IT IS VOWEL";

} else {

cout<<"IT IS CONSONANT";

}

}



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