#include<iostream>

**Task :1**

using namespace std;

int main()

{

for(int i=2; i<=20; i+=3){

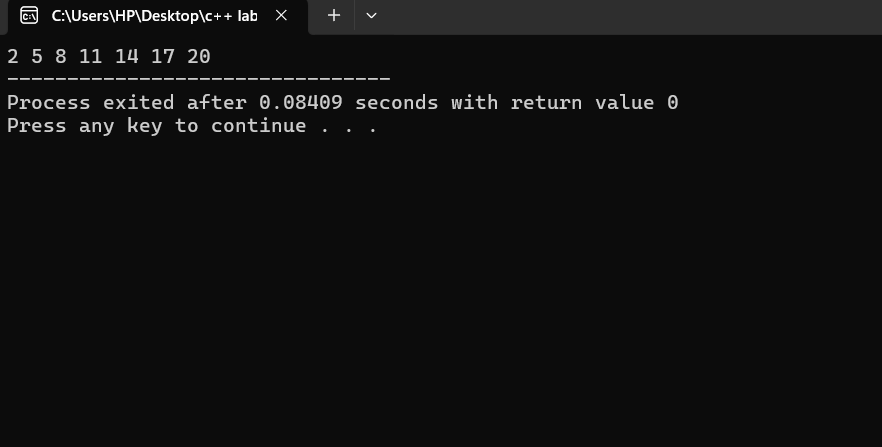
cout<<i<<" ";

}

return 0;

}

**Task :2**

****

#include<iostream>

using namespace std;

int main()

{

string password="securepass";//set your password here

string input;

int attempts=0;

do{

cout<<"enter password";

cin>>input;

attempts++;

}while (input !=password && attempts<3);

if(input==password)

{

cout<<"access granted.\n";

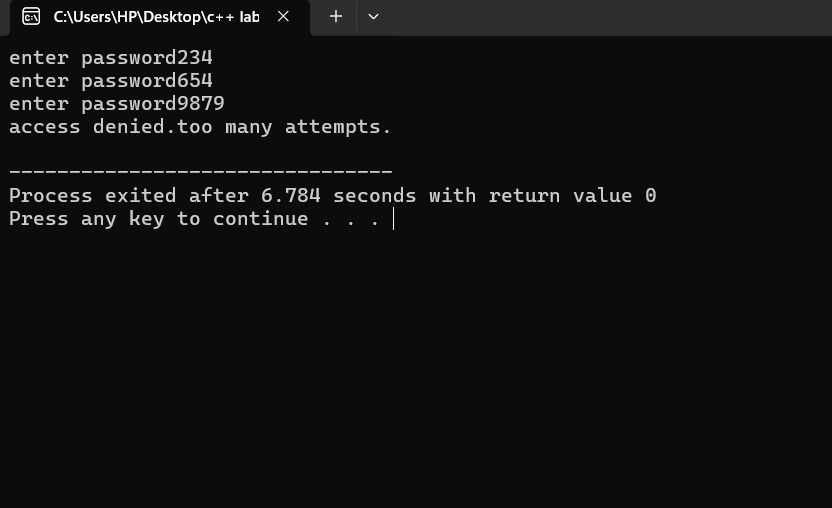
}

else{cout<<"access denied.too many attempts.\n";

}

return 0;

}



#include<iostream>

**Task :3**

#include<cstdlib>

#include<ctime>

using namespace std;

int main()

{

srand(static\_cast<unsigned

int>(time(0)));//seed random number generator

int secretNumber = rand()%100+

1;//Random number between 1 and 100

int guess;

cout<<"guess the secret number(between 1 and 100)";

do {

cin>>guess;

if (guess<secretNumber){cout<<"too low.try again:";

}else if (guess>secretNumber){

cout<<"too high.try again:";

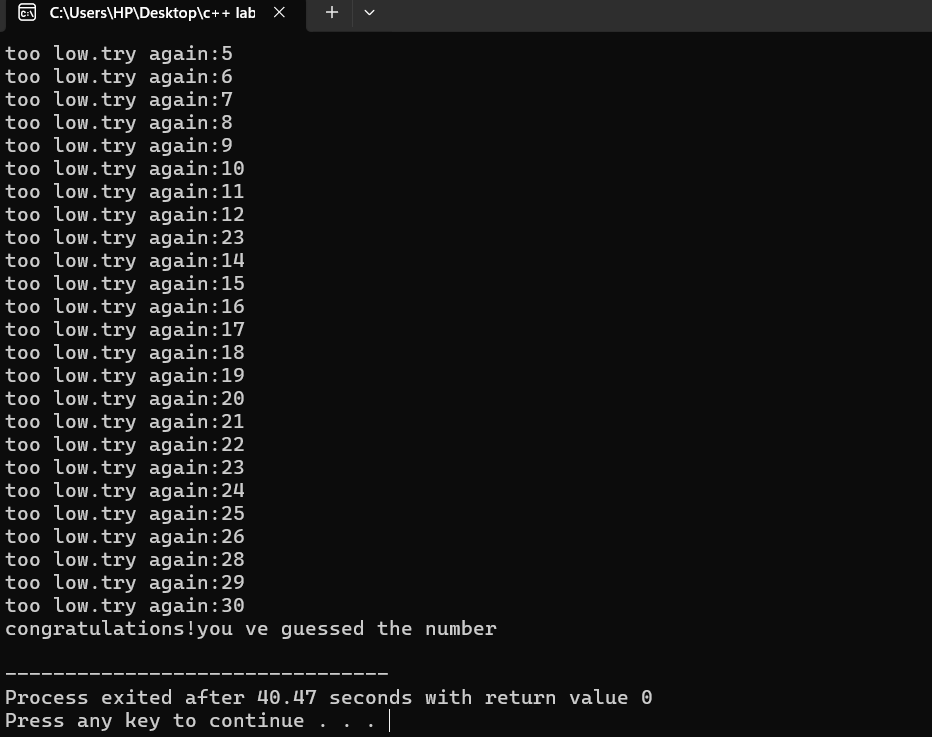
}

}while (guess!=secretNumber);

cout<<"congratulations!you ve guessed the number\n";

return 0;

}



**Task :4**

#include<iostream>

Using namespace std;

Int main()

{

int choice;

do{

cout<<"\nmenu:\n";

cout<<"1.print hello\n";

cout<<"2.print world\n";

cout<<"3.print world\n";

cout<<"enter your choice";

cin>>choice;

switch(choice){

case1:

cout<<"hello\n";

break;

case2:

cout<<"world\n";

break;

case3:

cout<<"exiting programm\n";

break;

default:

cout<<"invalid choice.please try again\n";

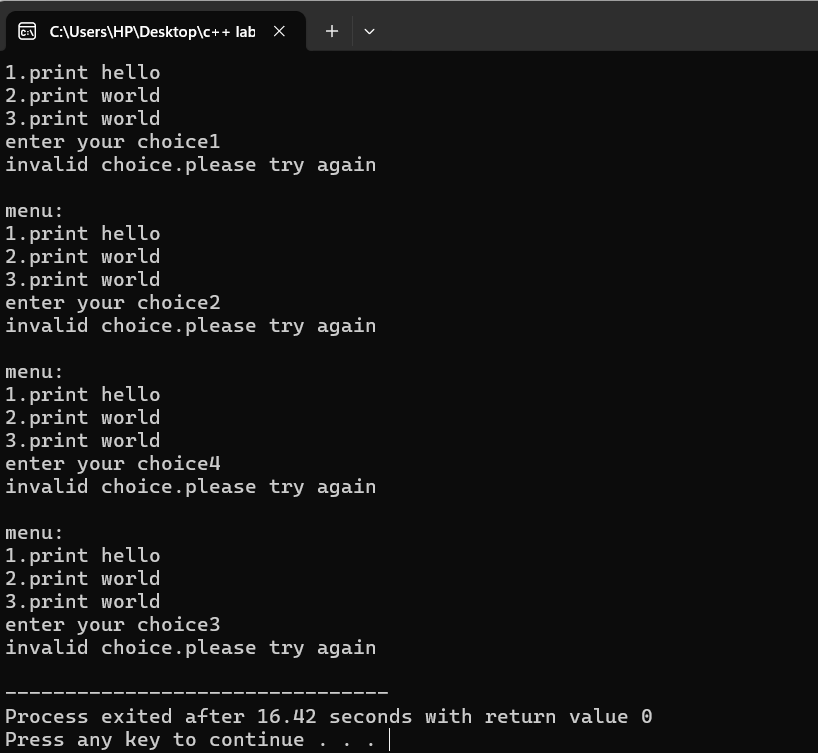
break;

}

} while(choice !=3);

return 0;

}



**Task :5**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"enter a positive integer n";

cin>>n;

int sum=0;

for (int i=1;i<=n; i++){

sum+=i\*i;//add the square of i to sum

}

cout<<"the sum of squares of the first"<<n<<"natural numbers is"<<sum<<endl;

return 0;

}

