***QUESTION ONE***

#include <iostream>

using namespace std;

int main ()

{

int x;

x=12;

do

{

cout<<x<<endl;

x=x+2;

}while (x<=28);

return 0;

}

***QUESTION TWO***

#include <iostream>

using namespace std;

int main ()

{

for(int x=12;x<=28;x=x+2){

cout<<x<<endl;

}

return 0;

}

QUESTION

#include <iostream>

using namespace std;

int main ()

{

int i=0;

int x=5;

cout<<"Input how I am sorry";

cin>>x;

for(int i=0; i<x; i++){

cout<<"I am sorry"<<endl;

}

return 0;

}

***QUESTION FOUR***

#include <iostream>

using namespace std;

int main ()

{

int a=0;

int x=12;

cout<<"Input the age";

cin>>x;

do

{

cout<<"Happy Birthday!"<<endl;

a++;

} while (a<=x);

return 0;

}

***QUESTION FIVE***

#include <iostream>

using namespace std;

int main ()

{

int b=73;

int sum;

do{

b++;

sum=sum+b;

}while(b<=415);

cout<<"The sum is "<<sum<<endl;

return 0;

}

***QUESTION FIVE B***

#include <iostream>

using namespace std;

int main ()

{

int sum;

for(int b=73; b<=415; b++){

sum=sum+b;

}

cout<<"The sum is "<<sum<<endl;

return 0;

}

***QUESTION SIX A***

#include <iostream>

using namespace std;

int main ()

{

int k=5;

int w=-2;

int p;

do

{

w=w+2;

k--;

p=w+k;

cout<<p<<endl;

} while (w<=k);

return 0;

}

***QUESTION SIX B***

#include <iostream>

using namespace std;

int main ()

{

int k;

int w;

int p;

k=5;

for (w=-2;w<=k;);

{

w=w+2;

k--;

p=w+k;

}

cout<<p<<endl;

}

***QUESTION SEVEN***

#include <iostream>

using namespace std;

int main ()

{

int a;

int b;

int c;

int d;

int p;

cout<<"Input integer 1";

cin>>a;

cout<<"Input integer 2";

cin>>b;

cout<<"Input integer 3";

cin>>c;

cout<<"Input integer 4";

cin>>d;

do

{

p=a\*b\*c\*d;

} while (a && b && c && d > 0);

cout<<"The product is "<<p<<endl;

return 0;

}

***QUESTION EIGHT***

#include <iostream>

using namespace std;

int main() {

int number;

int sum = 0;

int count = 0;

std::cout << "Please enter a positive integer (enter 0 to calculate average): ";

while (true) {

std::cin >> number;

if (number < 0) {

std::cout << "ERROR: Please enter a positive integer (enter 0 to calculate average): ";

} else if (number == 0) {

break; // Exit the loop to calculate the average

} else {

sum += number;

count++;

}

}

// Calculate and display the average

if (count == 0) {

std::cout << "NO AVERAGE" << std::endl;

} else {

double average = static\_cast<double>(sum) / count;

std::cout << "Average of positive integers: " << average << std::endl;

}

return 0;

}

***QUESTION NINE***

#include <iostream>

using namespace std;

int main() {

const int correctPin = 1234; // Initialize the correct PIN

int userPin;

int attempts = 0;

const int maxAttempts = 4;

while (attempts < maxAttempts) {

std::cout << "Please enter your PIN: ";

std::cin >> userPin;

if (userPin == correctPin) {

std::cout << "PIN verified\n";

std::cout << "Welcome\n";

return 0; // Exit the program

} else {

attempts++;

std::cout << "Incorrect PIN. You have " << (maxAttempts - attempts) << " attempts left.\n";

}

}

std::cout << "Limit expired\n";

return 0; // Exit the program after maximum attempts

}