Computer Science Homework

1. endlendl

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1. This program prints the number sign (#) in a diagonal from the top-right end to the bottom-left end of a square of side “side” (*side* is the integer variable in the program).
2. Answered below

#include <iostream>

using namespace std;

int main()

{

int side;

cout << "Enter a number: ";

cin >> side;

for (int i = side; i > 0; i--)

{

int j = 0;

while (j < i-1)

{

cout << " ";

j++;

}

while (j < side)

{

cout << "#";

j++;

}

cout << endl;

}

}

1. Answered below

#include <iostream>

using namespace std;

int main()

{

int side;

cout << "Enter a number: ";

cin >> side;

int i = side;

if (side <= 0)

{ return 1;}

do

{

int j = 0;

while (j < i-1)

{

cout << " ";

j++;

}

while (j < side)

{

cout << "#";

j++;

}

i--;

cout << endl;

}

while (i > 0);

}

1. Answered below

switch (week)

{

case 0:

cout << "first lecture";

break;

case 4: case 8:

cout << "midterm";

break;

case 10:

cout << "final";

break;

default:

cout << "nothing";

break;

}