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CSC 133-GW

Lecture 5 Hw

Coding Worksheet

1.

int count = 100;

while (count >= 0)

{

cout <<count <<" ";

count -= 5;

}

2.

const int SENTINEL = 999;

int num;

double sum = 0;

cout <<"Please enter integers divided by spaces and ending with 999:\n";

cin >>num;

while (num != SENTINEL)

{

sum = sum + num;

cin >>num;

}

cout <<"The sum of the numbers entered is " <<sum;

3.

int miles;

double bill = 0;

cout <<"Please enter the number of miles traveled: ";

cin >>miles;

cout <<fixed <<showpoint <<setprecision(2);

if (miles <= 10)

{

bill = 2.5 + miles \* 1.75;

cout <<"Your bill is $" <<bill <<".";

}

if (miles > 10)

{

bill = 2.5 + 10 \* 1.75 + (miles - 10);

cout <<"Your bill is $" <<bill <<".";

}

4.

int num = 0, found = false;

while (!found)

{

if (num > 1000 && num % 347 == 0 && num % 7 != 0 )

{

found = true;

cout <<"The first number greater than 1000, divisible by 347, "

<<"and not divisible by 7 is " <<num;

}

else

num = num + 1;

}