Part 1

#include<stdio.h>

#include<stdlib.h>

//Juan Velasquez 3/16/2021

main()

{

int a = 2, b = 4, c = 11, result;

double d1 = 3.4, d2 = 1.7, doubleResult;

result = a + c / b;

printf("%d\n", result);

result = (a + c) / b;

printf("%d\n", result);

result = (b \* a) + c / a;

printf("%d\n", result);

result = (int) d1 + (int) d2;

printf("%d\n", result);

result = (int)(d1 + d2);

printf("%d\n", result);

doubleResult = c / b + 6;

printf("%f\n", doubleResult);

doubleResult = (double) c / b + a;

printf("%f\n", doubleResult);

doubleResult = d1 + d2 \* a;

printf("%f\n", doubleResult);

doubleResult = (a + c) % a \* d2;

printf("%f\n", doubleResult);

doubleResult = a \* -d2;

printf("%f\n", doubleResult);

}

Text

Description automatically generated

Part 2

Test Scores Answers:

Enter a test score (-1 to quit): 3

Enter a test score (-1 to quit): 4

Enter a test score (-1 to quit): -1

The sum of the scores is: 7

You entered 2 scores.

The average score is: 3.50

Gas Mileage Answers:

Enter the gallons of gas used (-1 to quit): 1

Enter the miles driven: 10

For this tank you got 10.00 miles per gallon

Enter the gallons of gas used (-1 to quit): 100

Enter the miles driven: 100

For this tank you got 1.00 miles per gallon.

Enter the gallons of gas used (-1 to quit): -1

Your average for these tanks is: 1.09 miles per gallon.

Factorials Answers:

Name Value Type

Number 3 int

Factorial 6 int

Count 1 int

Part 3 Problem 1

#include<stdio.h>

#include<stdlib.h>

//Juan Velasquez 3/16/2021

main()

{

for (int i = 9; i < 100; i++) {

if (i % 9 == 0) {

if (i % 2 != 0) {

printf("%d\n", i);

}

}

}

}Text

Description automatically generated

Part 3 Problem 2

#include<stdio.h>

#include<stdlib.h>

//Juan Velasquez 3/16/2021

main()

{

for (int i = 1; i < 200; i++) {

if (i % 5 == 0) {

if (i % 8 == 0) {

printf("%d\n", i);

}

}

}

}

Text

Description automatically generated

Part 3 Problem 3

#include<stdio.h>

#include<stdlib.h>

//Juan Velasquez 3/16/2021

main()

{

int sum = 0;

for (int i = 100; i < 500; i++) {

if (i % 8 == 0) {

sum += i;

}

}

printf("%d\n", sum);

}

Text

Description automatically generated

Part 3 Problem 4

#include<stdio.h>

#include<stdlib.h>

//Juan Velasquez 3/16/2021

main()

{

int sum = 0;

for (int i = 10; i < 100; i++) {

if (i % 2 != 0) {

sum += i;

}

}

printf("%d\n", sum);

}

Text

Description automatically generated