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Project 1

Text

Description automatically generated

Text

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#include<stdio.h>

int main(){

int temp = 1; //define variables

int max = 0;

while(temp !=0){ //while loop to make sure 0 isn't entered and then accept inputs

printf("Enter a number: ");

scanf("%d", &temp);

if (temp > max){ //if loop to set the max number if input is bigger

max = temp;

}

}

printf("The largest number entered was %d\n", max); //print out max

return 0;

}

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Project 13

Text

Description automatically generated

Text

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#include <stdio.h>

int main(){

char ch; //declare variables

double avg;

int words = 0;

int chars = 0;

int in\_word = 0;

printf("Enter a sentence: ");

//while loop to check if its a new line

while((ch = getchar()) != '\n'){

if(ch != ' '){ //checks if character is space

if(!in\_word){

words++;

in\_word = 1;

}

chars++;

}

else{

in\_word = 0;

}

}

avg = chars/words; //calculates average length

printf("Average word length: %.1f\n", avg);

return 0;

}

Project 14

Text

Description automatically generated

Text

Description automatically generated

#include <stdio.h>

#include <math.h>

int main(void){

double x, y, sqrt;//Define variables

y = 1;

int terminate = 0;

printf("Enter a positive number: ");//assign number

scanf("%1le",&x);

do{//calculates the square root

sqrt = ((y + (x/y))/2);

if(fabs(y-sqrt)<(.00001\*y))

terminate = 1;

y = sqrt;

} while(terminate != 1);

printf("Square root: %.5f\n", sqrt);//print Square root

return 0;

}

1. how to define a specific output executable name.
   1. You use the command ‘gcc main.c -o \_\_\_\_’ and the blank would be what the executable name is.
2. how to enable all warning sets.
   1. Using the -Wall command, an example would be ‘gcc -Wall main.c -o main’
3. how to convert warnings into errors.
   1. Convert warnings to errors by using -Werror, an example would be ‘gcc -Wall -Werror main.c -o main’
4. how to print all the executed commands.
   1. You would use -v, a good example is ‘gcc -Wall -v main.c -o main’