**ASSIGNMENT 1**

PROGRAMMING 4 BEGINEERS



# Task 01

#include <stdio.h>

int main() {

char input[1000];

// Print "hello world"

printf("hello world\n");

// Read a line of input from the user

fgets(input, sizeof(input), stdin);

// Print the input string

printf("%s", input);

return 0;

}

# Task 02

#include <stdio.h>

int main() {

char ch;

char s[100];

char sen[1000];

// Read a character

scanf("%c", &ch);

// Read a word (no spaces)

scanf("%s", s);

// Clear the input buffer before reading a sentence

getchar(); // Consume the leftover newline

// Read a sentence (including spaces)

fgets(sen, sizeof(sen), stdin);

// Print the outputs

printf("%c\n", ch);

printf("%s\n", s);

printf("%s", sen);

return 0;

}

# Task 03

#include <stdio.h>

int main() {

int a, b;

float x, y;

// Read two integers

scanf("%d %d", &a, &b);

// Read two floats

scanf("%f %f", &x, &y);

// Print sum and difference of integers

printf("%d %d\n", a + b, a - b);

// Print sum and difference of floats, rounded to 1 decimal place

printf("%.1f %.1f\n", x + y, x - y);

return 0;

}

# Task 04

#include <stdio.h>

int main() {

int n;

scanf("%d", &n);

if (n == 1) {

printf("one");

} else if (n == 2) {

printf("two");

} else if (n == 3) {

printf("three");

} else if (n == 4) {

printf("four");

} else if (n == 5) {

printf("five");

} else if (n == 6) {

printf("six");

} else if (n == 7) {

printf("seven");

} else if (n == 8) {

printf("eight");

} else if (n == 9) {

printf("nine");

} else {

printf("Greater than 9");

}

return 0;

}

# Task 5

#include <stdio.h>

int main() {

int num, sum = 0;

scanf("%d", &num);

sum += num % 10;

num /= 10;

sum += num % 10;

num /= 10;

sum += num % 10;

num /= 10;

sum += num % 10;

num /= 10;

sum += num % 10;

printf("%d", sum);

return 0;

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