

## 1. Assignment #1

### 1.1. Question 1: Hello World!

A program to print "Hello World!".

```
#include <stdio.h>

int main() {

    printf("Hello World!\n");

    return 0;
}
```

### 1.2. Question 2: Extremely basic

A program to read two variables A and B and assign the value of their sum to x.

```
#include <stdio.h>

int main() {

    int A, B;

    scanf("%d", &A); scanf("%d", &B);

    int X = A + B;

    printf("X = %d\n", X);

    return 0;
}
```

### 1.3. Question 3: Area of a circle

A program to calculate the area of a circle using the radius R which is taken as input.

```
#include <stdio.h>

int main() {

    float R;

    scanf("%f", &R);

    printf("A = %f\n", (3.14159 * R * R));

    return 0;
}
```

### 1.4. Question 4: Simple Sum

A program that reads two integers A and B and assigns their sum to the variable SOMA and prints it.

```
#include <stdio.h>

int main() {

    int A, B;

    scanf("%d", &A); scanf("%d", &B);

    int SOMA = A + B;

    printf("SOMA = %d\n", SOMA);

    return 0;
}
```

### 1.5. Question 5: Simple Product

A program that reads two integers A and B and assigns their product to the variable PROD and prints it.

```
#include <stdio.h>

int main() {

    int A, B;

    scanf("%d", &A); scanf("%d", &B);

    int PROD = A * B;

    printf("PROD = %d\n", PROD);

    return 0;
}
```