

Worksheet 2

Introduction to C Programming Language

and its Basic Output Command

Objectives

- After completing this worksheet, you should be able to
- Know various elements and structure built by C language
  - Use fluently an output function (command) in C language

1. Run the Code::Blocks program, and then create a new project and type Program 1.1.

```
#include <stdio.h>
#include <stdlib.h>

int main( int  argc, char  *argv[ ] ) {
    printf(“1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890\n”);
    printf(“Hello, everyone.”);
    printf(“Welcome to C world.”);
    printf(“\n\n”);
    printf(“K\nM\nU\nT\nNB”);
    return 0;
}
```

Program 1.1

2. Compile and run the program (choose **Execute ➔ Compile & Run** or press **F9** key), then record the result produced by the program in Table 1.1.

Line number	Results produced by the program 1.1																																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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Table 1.1

3. Can we write several printf functions in the same line as shown below?

```
printf("Hi, everybody\n"); printf("Welcome to C world.\n"); printf("So cool\n");
```

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4. What is the difference between // and /\* \*/ for comment statement using in C?

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5. Find, in the program shown below, the lines of code that generate errors and then replace them with the correct statements.

```
#INCLUDE ( stdlib.h )
```

---

```
#include      stdio.h
```

---

```
int  MAN ( )
```

---

```
<
```

---

```
printf("Certificate in Technical Education\n");
```

---

```
PRINTF("College of Industrial Technology\n")
```

---

```
printf{ "KMUTNB \n"};
```

---

```
\\ This is a comment statement in C language
```

---

```
prifnt("I cannot run, help correct me);
```

---

```
/* The comment statement in C language
```

---

```
can appear in more than one line *\
```

---

```
return 0;
```

---

```
>
```

---

6. After having corrected the program, try executing it. What does the program display?

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Name : \_\_\_\_\_ Student ID \_\_\_\_\_

## Homework 2

1. Write a program (in C) to draw a house or an another picture of your own design by using printf( ) functions.

[illegible]