

COURSE: ELECTRICAL AN ELECTRONIC ENGINEERING  
GROUP: B1 and B2  
UNIT CODE: ICS 2175  
UNIT: COMPUTER PROGRAMMING 1  
REPOSITORY: Group Repository  
FOLDER: Assignment  
DEADLINE: 15<sup>th</sup> Feb, 2023

1. Write a program that prints the alphabet in lowercase, followed by a new line.

```
Abcdefghijklmnopqrstuvwxyz
```

2. Write a program that prints the alphabet in lowercase, and then in uppercase, followed by a new line.
  - You can only use the `putchar` function (every other function (`printf`, `puts`, etc...) is forbidden)
  - All your code should be in the `main` function
  - You can only use `putchar` three times in your code

```
abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ$
```

3. Write a program that prints the alphabet in lowercase, followed by a new line.
  - Print all the letters except `q` and `e`
  - You can only use the `putchar` function (every other function (`printf`, `puts`, etc...) is forbidden)
  - All your code should be in the `main` function
  - You can only use `putchar` twice in your code

```
julien@ubuntu:~/0x01$ ./4-print_alphabt  
abcdfghijklmnoprstuvwxyz
```

4. Write a program that prints all single digit numbers of base 10 starting from `0`, followed by a new line.
  - All your code should be in the `main` function

```
0123456789
```

5. Write a program that prints all the numbers of base 16 in lowercase, followed by a new line.

- You can only use the `putchar` function (every other function (`printf`, `puts`, etc...) is forbidden)
- All your code should be in the `main` function
- You can only use `putchar` three times in your code

```
0123456789abcdef
```