

Assignment 5

Rules

- 1- Assignment deadline is Thursday (18/12/2013) @ 11:55 pm
- 2- Assignments will be sent to this email : assembly.fci.cu@gmail.com
- 3- Subject will be: Assig5(space)Group_ID “i.e Assig5 CS_G1_200xxxxx”
“i.e Assig5 Minor_DS_CS_200xxxxx “
- 4- Each problem should be solved in a separate file.
- 5- Cheating will be severely punished.

Assignment 5

Q1. Write a program that does the following:

- Take an integer number from the user and print its factorial to console.
- Your program should contain two procedures:
 - Procedure to read an integer from user and return its value.
 - Procedure to calculate the factorial for a number and return the factorial result.

Sample run for the program ->

```
Enter an integer number:
5
The factorial of 5 is:
120
```

Q2. Write a program that does the following:

- Take a String from user and check if it is a palindrome string or not.
- Your program should have the following procedures:
 - is_palandrom
 - Procedure to return 0 if the string which its address is passed in \$a0 is a palindrome or 1 if it's not.

- Sample program run: 

```
Enter a string:
121
Is Palindrome
```