


Outputs

Assignment 10

NAME	:	ARNAB CHAKRABORTY
STREAM	:	CSE
SECTION	:	A
UNIVERSITY ROLL NO.	:	13000120040

#Program93:

Recursion:


 "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\93. Factorial.exe"

Enter a positive number : 6

Using Recursion:
Factorial of 6 = 720

Process returned 0 (0x0) execution time : 25.111 s
Press any key to continue.

Invalid Case:

 "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\93. Factorial.exe"

Enter a positive number : -6

Factorial of negative number is undefined!!!

Process returned 0 (0x0) execution time : 4.392 s
Press any key to continue.

#Program94:

Recursive Case:

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\94. Palindrome.exe"

```
Enter a number : 121

Choose one of the following options :

1. Palindrome check using RECURSION.
2. Palindrome check using ITERATION.
Enter your Choice (1 or 2) : 1

Using RECURSION :
121 is a Palindrome Number.

Process returned 0 (0x0)    execution time : 4.372 s
Press any key to continue.
```

Iterative Case:

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\94. Palindrome.exe"

```
Enter a number : 345

Choose one of the following options :

1. Palindrome check using RECURSION.
2. Palindrome check using ITERATION.
Enter your Choice (1 or 2) : 2

Using ITERATION :
345 is a not Palindrome Number.

Process returned 0 (0x0)    execution time : 4.650 s
Press any key to continue.
```

Invalid Case:

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\94. Palindrome.e"

```
Enter a number : 454

Choose one of the following options :

1. Palindrome check using RECURSION.
2. Palindrome check using ITERATION.
Enter your Choice (1 or 2) : 6

Invalid Choice!!!

Process returned 0 (0x0)    execution time : 7.159 s
Press any key to continue.
```

#Program95:

Recursive Case:

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\95. Consonants.e
Input String : Techno

Choose one of the following options :

1. Count Consonants using RECURSION.
2. Count Consonants using ITERATION.
Enter your Choice (1 or 2) : 1

Using RECURSION
Consonants count : 4

Process returned 0 (0x0)   execution time : 7.165 s
Press any key to continue.
```

Iterative Case:

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\95. Consonants.ex
Input String : Saltlake

Choose one of the following options :

1. Count Consonants using RECURSION.
2. Count Consonants using ITERATION.
Enter your Choice (1 or 2) : 2

Using ITERATION
Consonants count : 5

Process returned 0 (0x0)   execution time : 10.341 s
Press any key to continue.
```

Invalid Case:

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\95. Consonants.ex
Input String : Welcome

Choose one of the following options :

1. Count Consonants using RECURSION.
2. Count Consonants using ITERATION.
Enter your Choice (1 or 2) : 7

Invalid Choice!!!

Process returned 0 (0x0)   execution time : 9.235 s
Press any key to continue.
```

#Program96:

Recursion:


 "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\96. Hcf.exe"

```
Enter the value of two natural numbers : 45 15
```

```
H.C.F of the entered numbers 45 and 15 is: 15
```

```
Process returned 0 (0x0)   execution time : 5.963 s  
Press any key to continue.
```

Invalid Case:

 "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 7 - 9th June 2021\96. Hcf.exe"

```
Enter the value of two natural numbers : 0 8
```

```
Both numbers should be Natural Numbers!!!
```

```
Process returned 0 (0x0)   execution time : 2.894 s  
Press any key to continue.
```
