


Outputs

Assignment 11

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

#Program97:

 "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\97. Ackerman.exe"

****Ackerman Function****

m = 1
n = 2

Solve A(1,2)?
Answer : 4

Do you want to continue? (1 for Yes and 0 for No) : 1

m = 2
n = 1

Solve A(2,1)?
Answer : 5

Do you want to continue? (1 for Yes and 0 for No) : 1

m = 2
n = 2

Solve A(2,2)?
Answer : 7

Do you want to continue? (1 for Yes and 0 for No) : 1

m = -5
n = 6

Both m and n need to be positive!!

Do you want to continue? (1 for Yes and 0 for No) : 0

Thank You!!!

Process returned 0 (0x0) execution time : 21.057 s
Press any key to continue.

#Program98:

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\98. BinarySearch.exe"

```
Enter size of your Array : 0
Array size must be a positive number!!!!

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Do you want to continue? (1 for Yes and 0 for No) : 1
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Enter size of your Array : 5
Enter 5 elements in your Array :
8 5 9 3 1

Choose any one of the following operations :
1 for Deleting an element from the Array.
2 for Finding an element in the Array.
3 for Inserting an element in the Array.
Enter Your Choice : 1

Original Array :
1 3 5 8 9

Enter an element to be deleted : 5

Array after Deletion :
1 3 8 9

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Do you want to continue? (1 for Yes and 0 for No) : 1
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```

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\98. BinarySearch.exe"

```
Enter size of your Array : 7
Enter 7 elements in your Array :
11 76 93 54 86 2 43

Choose any one of the following operations :
1 for Deleting an element from the Array.
2 for Finding an element in the Array.
3 for Inserting an element in the Array.
Enter Your Choice : 2

Original Array :
2 11 43 54 76 86 93

Enter an element to be found : 43

43 is present at position 3 in the Array.

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Do you want to continue? (1 for Yes and 0 for No) : 1
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"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\98. BinarySearch.exe"

```
Enter size of your Array : 6
Enter 6 elements in your Array :
87 43 99 123 -6 78

Choose any one of the following operations :
1 for Deleting an element from the Array.
2 for Finding an element in the Array.
3 for Inserting an element in the Array.
Enter Your Choice : 3

Original Array :
-6 43 78 87 99 123

Enter an element to be inserted : 54

Array after Insertion :
-6 43 54 78 87 99 123

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Do you want to continue? (1 for Yes and 0 for No) : 1
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```

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\98. BinarySearch.exe"

```
Enter size of your Array : 4
Enter 4 elements in your Array :
8 5 8 5

Choose any one of the following operations :
1 for Deleting an element from the Array.
2 for Finding an element in the Array.
3 for Inserting an element in the Array.
Enter Your Choice : 6

Original Array :
5 5 8 8

Sorry! Wrong Choice!!!

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Do you want to continue? (1 for Yes and 0 for No) : 0
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Thank You!!!

Process returned 0 (0x0)    execution time : 906.054 s
Press any key to continue.
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#Program99:

"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 8 - 16th June 2021\99. Recursive_Sum.exe"

```
Enter a Natural Number : 5
Sum of 5 Natural Numbers : 15
Do you want to continue? (1 for Yes and 0 for No) : 1
Enter a Natural Number : 8
Sum of 8 Natural Numbers : 36
Do you want to continue? (1 for Yes and 0 for No) : 1
Enter a Natural Number : 10
Sum of 10 Natural Numbers : 55
Do you want to continue? (1 for Yes and 0 for No) : 1
Enter a Natural Number : -8
-8 is not a Natural Number.
Do you want to continue? (1 for Yes and 0 for No) : 0
Thank You!!!

Process returned 0 (0x0)    execution time : 17.528 s
Press any key to continue.
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