

Outputs

Assignment 9

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

52 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 52
Input value : 2
Integer value = 2
The left shifted data = 8
Thank You!!!

Process returned 0 (0x0)   execution time : 9.641 s
Press any key to continue.
```

53 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 53
Input a number : 234
The original number = 234
The reverse of the said number = 432
Thank You!!!

Process returned 0 (0x0)   execution time : 12.308 s
Press any key to continue.
```

54 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 54
Input four numbers : 1.54 1.236 1.3625 1.002
Difference is 0.5380
Thank You!!!

Process returned 0 (0x0)   execution time : 27.428 s
Press any key to continue.
```

55 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 55
Input any number : 10
Sum = 2.928968
Thank You!!!

Process returned 0 (0x0)   execution time : 18.302 s
Press any key to continue.
```

56 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
Given Questions :
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 56
Sun = 0
Mon = 1
Tue = 2
Wed = 3
Thu = 4
Fri = 5
Sat = 6
Thank You!!!

Process returned 0 (0x0)   execution time : 2.652 s
Press any key to continue.
```

57 :

```
Select "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^m + 2^m + 4^m + 7^m + 11^m + \dots + m^m$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 57
Input value of x : .6235
Value of  $\sin(1/x)$  is 0.9995
Thank You!!!

Process returned 0 (0x0)   execution time : 16.756 s
Press any key to continue.
```

58 :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
Given Questions :
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^m + 2^m + 4^m + 7^m + 11^m + \dots + m^m$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 58
Input a positive number less than 500 : 347
Sum of digits of 347 is 14
Thank You!!!

Process returned 0 (0x0)   execution time : 8.217 s
Press any key to continue.
```

59 :

a)

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^m + 2^m + 4^m + 7^m + 11^m + \dots + m^m$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 59
which problem do you want to solve -
Enter 1 for a or 2 for b : 1
Input a positive number less than 100 : 68
Sum of the series is 37361622
Thank You!!!

Process returned 0 (0x0)   execution time : 15.302 s
Press any key to continue.
```


b)

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
Given Questions :
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 59
Which problem do you want to solve -
Enter 1 for a or 2 for b : 2
Enter number of rows and columns of 1st matrix : 2 3
Enter number of rows and columns of 2nd matrix : 3 2
Enter 6 elements in 1st array :
1 2 3
4 5 6
Enter 6 elements in 2nd array :
7 8
9 10
11 12
Product of the matrices :
58      64
139     154
Thank You!!!

Process returned 0 (0x0)   execution time : 35.291 s
Press any key to continue.
```

default case for 59 :

```
Select "F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 59
Which problem do you want to solve -
Enter 1 for a or 2 for b : 77
Wrong choice! Choose either a or b!
Thank You!!!

Process returned 0 (0x0)   execution time : 7.023 s
Press any key to continue.
```

Default case for the whole program :

```
"F:\Techno Main\2013001028_CSE_A_1styr_2020\Lab\2nd Sem\CS\Lab 6 - 2nd June 2021\Assignment_9.exe"
Given Questions :
52. Write a C program to shift given data by two bits to the left.
53. Write a C program to reverse and print a given number.
54. Write a C program that accepts 4 real numbers from the keyboard and print out the difference of the maximum and minimum values of these four numbers.
55. Write a C program to display sum of series  $1 + 1/2 + 1/3 + \dots + 1/n$ .
56. Write a C program to create enumerated data type for 7 days and display their values in integer constants.
57. Write a C program that accepts a real number x and prints out the corresponding value of  $\sin(1/x)$  using 4-decimal places.
58. Write a C program that accepts a positive integer less than 500 and prints out the sum of the digits of this number.
59.
(a) Write a C program that accepts a positive integer n less than 100 from the user and prints out the sum  $1^4 + 2^4 + 4^4 + 7^4 + 11^4 + \dots + m^4$ , where m is less than or equal to n. Print appropriate message (Here '^' means exponential operation).
(b) Write a function to do matrix multiplication by taking user input (row, column and value of each items).
Enter your choice (52-59) : 100
Sorry! Question doesn't exist!!!
Thank You!!!

Process returned 0 (0x0)   execution time : 2.953 s
Press any key to continue.
```