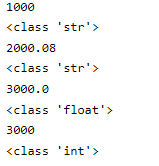
**ASSIGNMENT 2 : RISHABH GAUR**

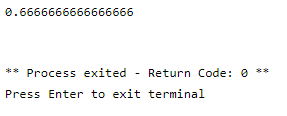
Q1. Write a script to convert:-

1. int to str
2. float to str
3. str to int
4. str to float

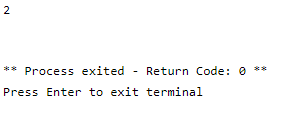
**output:- **

Q2. Differentiate between /, // and %.

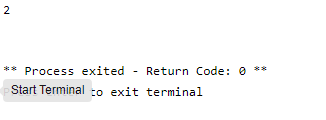
**Answer:-**  **/** is used for division. Eg:-

**Output:- **

**//** is used for float division. Eg:-

****

**%**  is used for finding the modulus. Eg:-

**Output:- **

Q3. Display the sequences using for loop:-

1. 5 10 15 20 …………. 100
2. -25 -24 -23………… -5

**Output:-** 0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

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80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

\*\* Process exited - Return Code: 0 **\*\***

2nd sequence:- -25

-24

-23

-22

-21

-20

-19

-18

-17

-16

-15

-14

-13

-12

-11

-10

-9

-8

-7

-6

-5



\*\* Process exited - Return Code: 0 \*\*

Q4. Write a script to input two numbers and display their sum.

Output:- Enter the 1st number

2

Enter the 2nd number

2

4

\*\* Process exited - Return Code: 0 \*\*

****

Q5. Write a script to input a character from user; display that character along with its ASCII value.

**Output:-**

enter any character

a

97



Q6. Write a script to input a number from user and check whether:-

1. It is even or odd.
2. It is positive or negative.

**Output:-**

Enter any number to test if it is odd or even

3

The number is odd

\*\* Process exited - Return Code: 0 \*\*

****

**Output:-**

Enter any number to test if it is positive or negative

-1

The number is negative

\*\* Process exited - Return Code: 0 \*\*

****

Q7. Write a script to input marks from user and display grade:-

1. 90-100 : A
2. 80-89 :B
3. 60-79 : C
4. Less than 59:D

**Output:-**

enter the marks

64

C grade

\*\* Process exited - Return Code: 0 \*\*



Q8. Write a script to print sum and average of first n numbers starting from 1.

**Output:-**  sum of first n numbers:-

Enter a number

6

21

\*\* Process exited - Return Code: 0 \*\*



Average of first n numbers:-

**Output:-**

Enter a number

8

36

18

\*\* Process exited - Return Code: 0 \*\*

****

Q9. Write a script to input a number and find its factorial.

**Output**:-

Enter a number:

4

The factorial of 4 is 24

\*\* Process exited - Return Code: 0 \*\*



Q10. Write a script to find greatest of three numbers entered by user.

Output:-

Enter 1st number

6

Enter 2nd number

7

Enter 3rd number

8

3rd number is greatest.

\*\* Process exited - Return Code: 0 \*\*

****

Q11. Write a script to input a number from user and display its multiplication table.

**Output**:-

enter a number

8

8 \* 0 = 0

8 \* 1 = 8

8 \* 2 = 16

8 \* 3 = 24

8 \* 4 = 32

8 \* 5 = 40

8 \* 6 = 48

8 \* 7 = 56

8 \* 8 = 64

8 \* 9 = 72

8 \* 10 = 80

\*\* Process exited - Return Code: 0 \*\* 

Q12. Write a script to print first ASCII values.

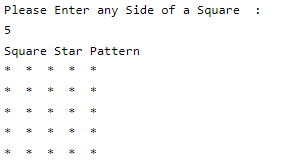
**Output:-**

****

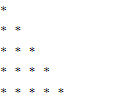
****

Q13. Write a script to print following patterns:-

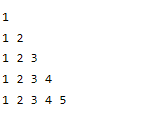
**Output:-**

****

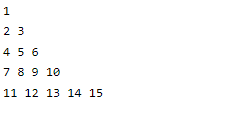
**Output:-**

****

**Output:-**

****

**Output:-**

****