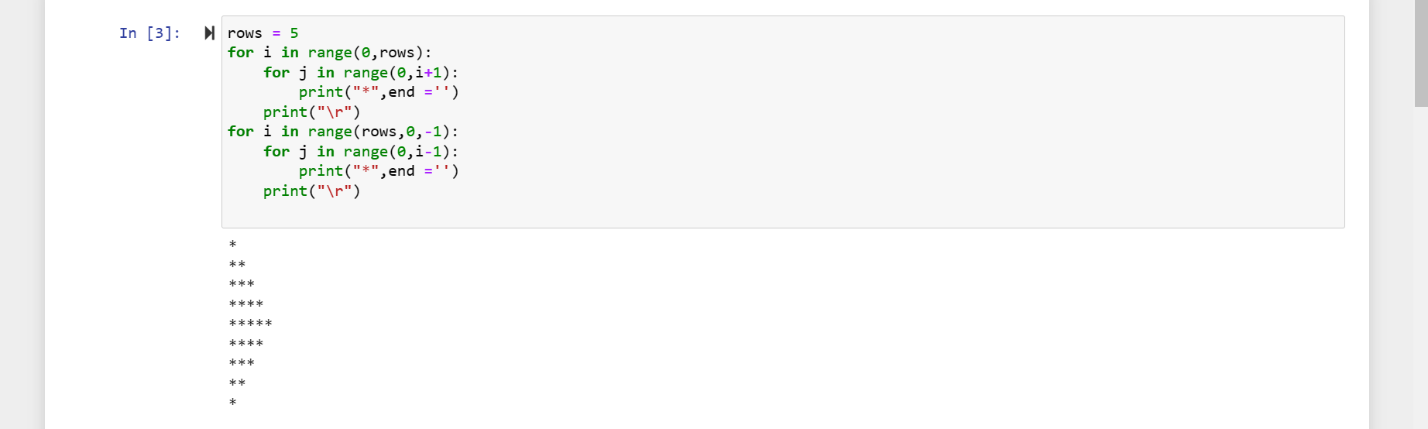
Assignment 2 Student ID:700744329

Machine Learning

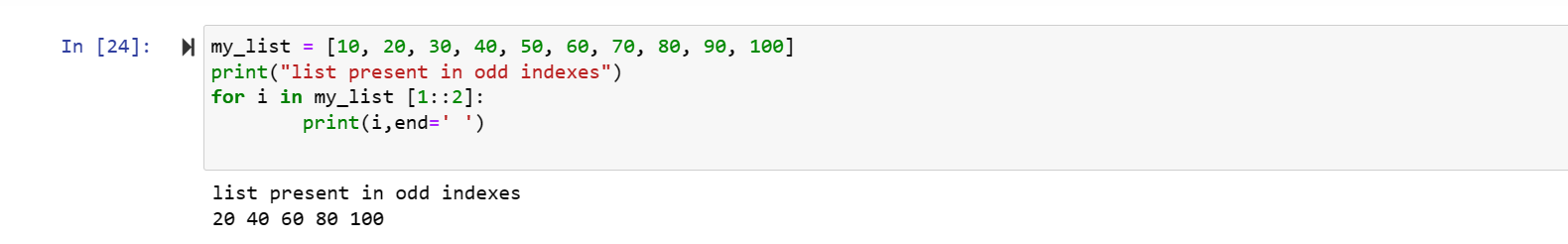
1. Created a variable number of rows and given the value 5.
2. Used two for loops and range to print first half of the pattern, given numbers of rows and parameter.
3. Then given a \* symbol to print.

Used another two for loops and range to print the second half of the pattern



**Q2**

1. Created a list name “list” with the given values in the question
2. Used for loop to find the odd index and printed the odd indexes



**Q3**

1. Created an empty list called ‘output’
2. Used for loop and given range as length of given list.
3. Used append to add the output to the new list.
4. Used type to find the datatype of the value and printed the original string, output list

Graphical user interface, text, application

Description automatically generated

**Q4**

1. Defined Sample\_List with the given data, created an empty list called uniquelist.
2. Created ulist function and passed Sample\_List as parameter
3. Used for loop, if statement to fingd the unique elements and appended to the new list
4. Printed the unique list.

Graphical user interface, text, application

Description automatically generated

**Q5**

1. Created a function “uplow” with the input as parameter.
2. Created two variables to get the count of upper case and lower-case letters.
3. Used “Issuper” and “Islower” functions to find the upper case and lower-case letters
4. Passed the input
5. Print the count of upper case and lower-case letters

Graphical user interface, text, email

Description automatically generated