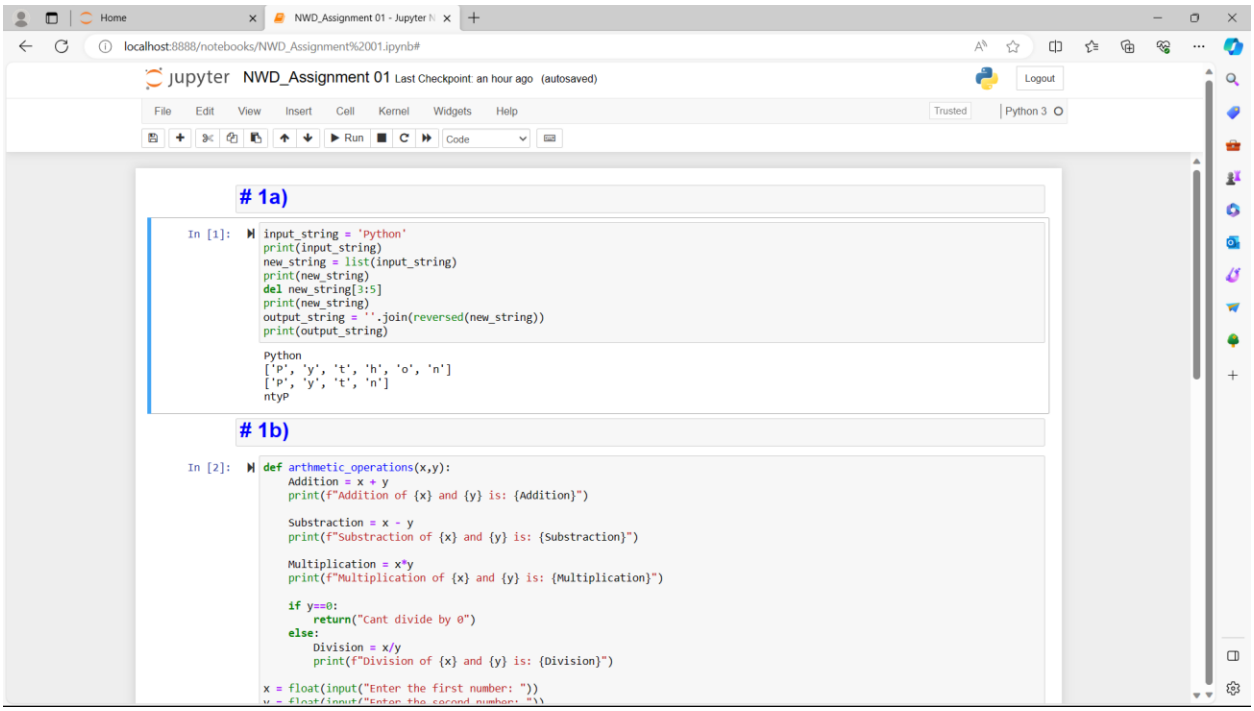
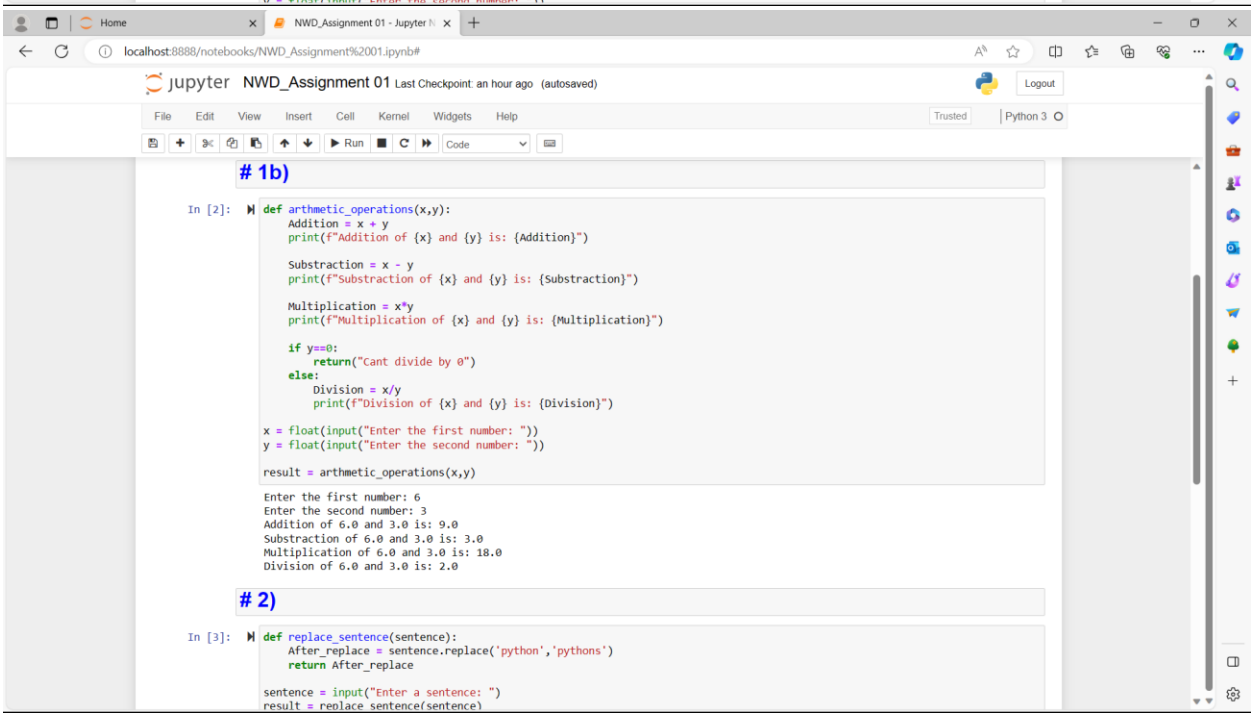
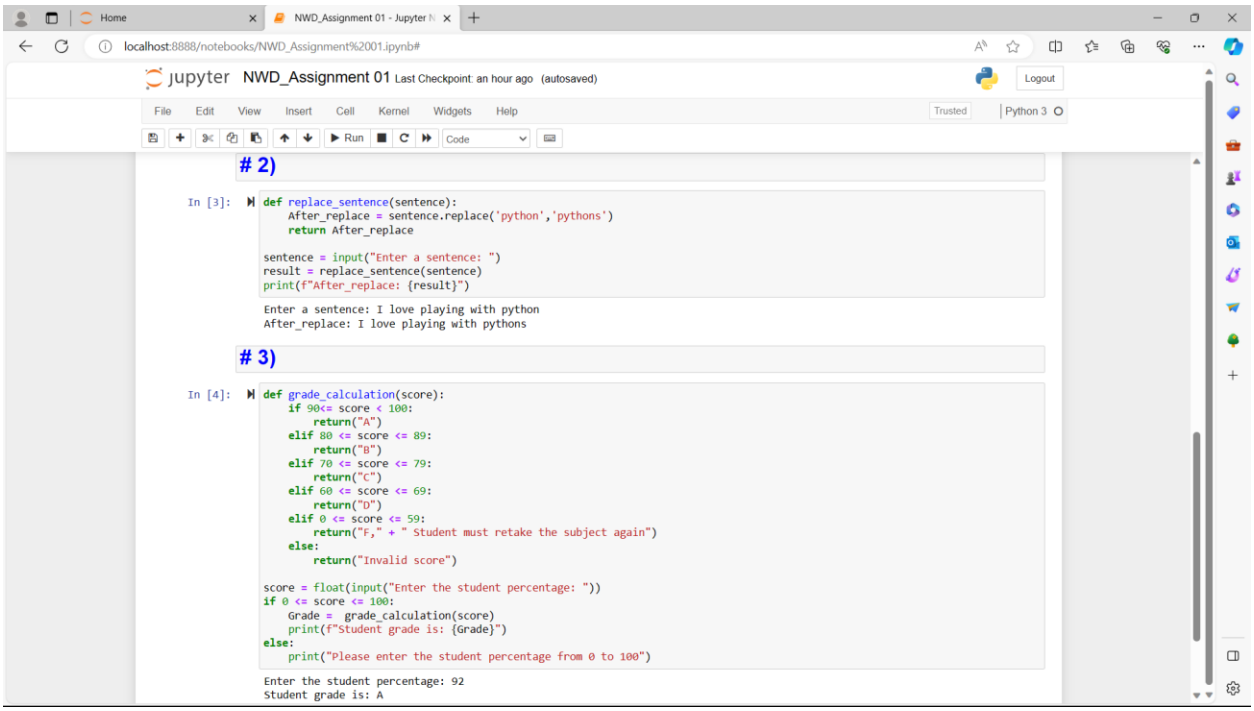
Video link:
https://drive.google.com/file/d/1DVSNNZrFt9GSEsEmwemOr_BbzN7Hawyv/view?usp=sharing


Home
NWD_Assignment 01 - Jupyter N
localhost:8888/notebooks/NWD_Assignment%2001.ipynb#
jupyter NWD_Assignment 01 Last Checkpoint: an hour ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
1a)
In [1]:
input_string = 'Python'
print(input_string)
new_string = list(input_string)
print(new_string)
del new_string[3:5]
print(new_string)
output_string = ''.join(reversed(new_string))
print(output_string)
Python
['P', 'y', 't', 'h', 'o', 'n']
['P', 'y', 't', 'n']
ntyP
1b)
In [2]:
def arthmetic_operations(x,y):
Addition = x + y
print(f"Addition of {x} and {y} is: {Addition}")
Substraction = x - y
print(f"Substraction of {x} and {y} is: {Substraction}")
Multiplication = x*y
print(f"Multiplication of {x} and {y} is: {Multiplication}")
if y==0:
return("Cant divide by 0")
else:
Division = x/y
print(f"Division of {x} and {y} is: {Division}")
x = float(input("Enter the first number: "))


Home
NWD_Assignment 01 - Jupyter N
localhost:8888/notebooks/NWD_Assignment%2001.ipynb#
jupyter NWD_Assignment 01 Last Checkpoint: an hour ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
1b)
In [2]:
def arthmetic_operations(x,y):
Addition = x + y
print(f"Addition of {x} and {y} is: {Addition}")
Substraction = x - y
print(f"Substraction of {x} and {y} is: {Substraction}")
Multiplication = x*y
print(f"Multiplication of {x} and {y} is: {Multiplication}")
if y==0:
return("Cant divide by 0")
else:
Division = x/y
print(f"Division of {x} and {y} is: {Division}")
x = float(input("Enter the first number: "))
y = float(input("Enter the second number: "))
result = arthmetic_operations(x,y)
Enter the first number: 6
Enter the second number: 3
Addition of 6.0 and 3.0 is: 9.0
Substraction of 6.0 and 3.0 is: 3.0
Multiplication of 6.0 and 3.0 is: 18.0
Division of 6.0 and 3.0 is: 2.0
2)
In [3]:
def replace_sentence(sentence):
After_replace = sentence.replace('python','pythons')
return After_replace
sentence = input("Enter a sentence: ")
result = replace_sentence(sentence)


Home
NWD_Assignment 01 - Jupyter N
localhost:8888/notebooks/NWD_Assignment%2001.ipynb#
jupyter NWD_Assignment 01 Last Checkpoint: an hour ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
2)
In [3]:
def replace_sentence(sentence):
After_replace = sentence.replace('python','pythons')
return After_replace
sentence = input("Enter a sentence: ")
result = replace_sentence(sentence)
print(f"After_replace: {result}")
Enter a sentence: I love playing with python
After_replace: I love playing with pythons
3)
In [4]:
def grade_calculation(score):
if 90<= score < 100:
return("A")
elif 80 <= score <= 89:
return("B")
elif 70 <= score <= 79:
return("C")
elif 60 <= score <= 69:
return("D")
elif 0 <= score <= 59:
return("F," + " Student must retake the subject again")
else:
return("Invalid score")
score = float(input("Enter the student percentage: "))
if 0 <= score <= 100:
Grade = grade_calculation(score)
print(f"Student grade is: {Grade}")
else:
print("Please enter the student percentage from 0 to 100")
Enter the student percentage: 92
Student grade is: A