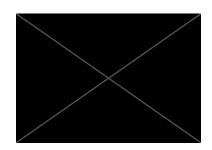
DEAKIN UNIVERSITY

MACHINE LEARNING

ONTRACK SUBMISSION

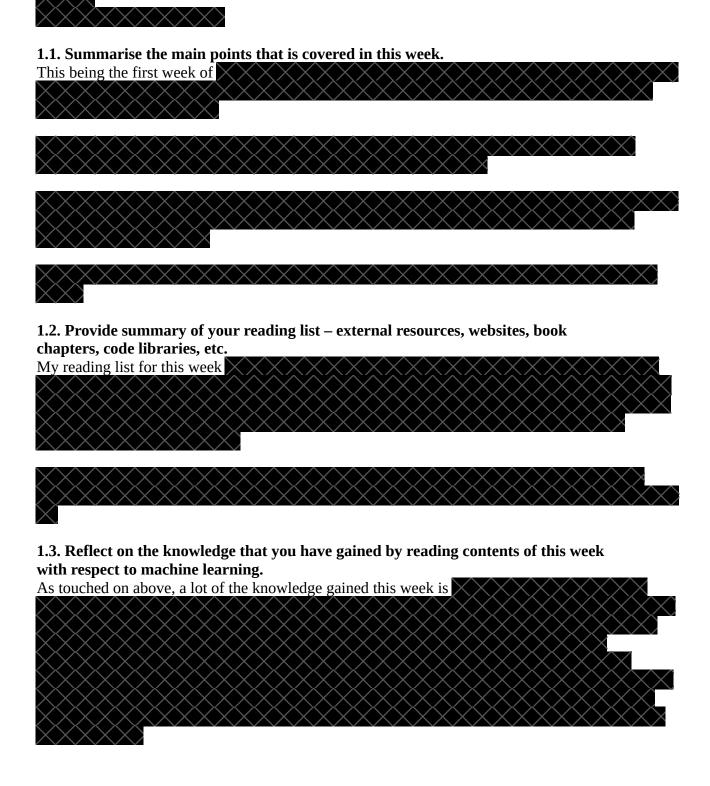
Task 1.1P



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March 5, 2024





1.4. Attempt the quiz given in weekly content (1.28) and add screenshot of your score (>85% is considered completion of this task) in this report.



Your work has been saved and submitted



Your quiz has been submitted successfully, the answer(s) for the following question(s) are incorrect.

Attempt Score 10 / 10 - 100 %

Overall Grade (Highest Attempt) 10 / 10 - 100 %

Quiz Submissions - Week-1 quiz



CELL 01
import numpy as np





#Create a dictionary variable with three keys, which are named same as the three variables

created in the previous problem. Insert the previously created three variables values in

the dictionary variable and print it.

def Q3():

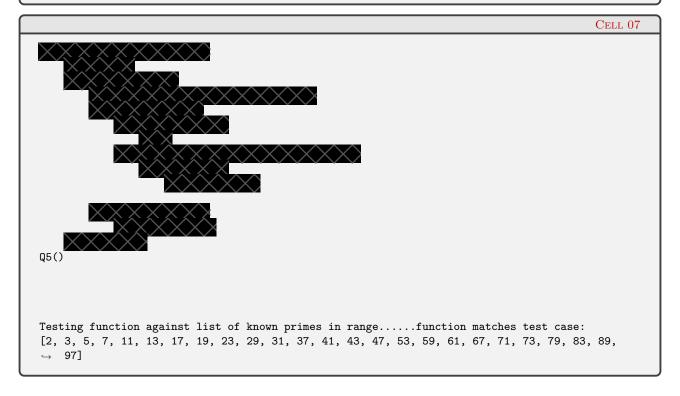


```
Cell 05
#Define a string variable 'energy' and assign value either 'Fossil' or 'Renewable'. Print
 \  \, \hookrightarrow \  \, \text{"Natural gas" if the value of energy variable is 'Fossil' otherwise print "solar power"}.
→ What will your program print if energy='Biomass '?
def Q4():
    energy = 'Fossil'
    if energy.lower() == 'fossil':
        print("Natural Gas")
    else:
        print("solar power")
    print("If energy is equal to 'Biomass' then 'solar power' will be printed as as control
    \hookrightarrow flow default to the else condition if the string does not match 'fossil'")
Q4()
Natural Gas
If energy is equal to 'Biomass' then 'solar power' will be printed as as control flow default
\,\hookrightarrow\, to the else condition if the string does not match 'fossil'
```

```
#Print all prime numbers between 0 and 100 separated by line.

def Q5():

print(temp)
```



```
#Is it possible to break a loop before executing for the defined number of iterations? If yes,

provide an example using While loop structure. Otherwise, explain your answer (why and

how).

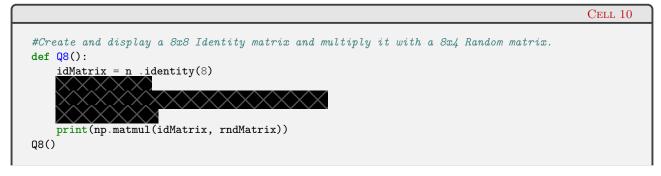
def Q6():

Q6()

print numbers from 0 to 100:
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

35 36 37 38 39 40 41 42 exiting loop early...
```

```
Cell 09
#Create functions named 'Addition', 'Multiplication', 'Division' and 'Subtraction'. These
\rightarrow functions takes two input parameters say (x, y) and return (x+y), (x+y), (x/y) and (x-y).
\hookrightarrow Call the function with (4,7) arguments and print the outputs
def Q7():
    x = 4
    y = 7
     rint("Add:", Addition(x,
def Addition(x,y):
    return x + y
def Multi lication(x,y):
def <u>Division(x,</u>
def
    Subtraction(x,y):
Q7()
Add: 11
Mul: 28
Div: 0.5714285714285714
Sub: -3
```



```
[[1. 0. 0. 0. 0. 0. 0. 0.]
[0. 1. 0. 0. 0. 0. 0. 0.]
[0. 0. 1. 0. 0. 0. 0. 0.]
[0. 0. 0. 1. 0. 0. 0. 0.]
[0. 0. 0. 0. 1. 0. 0. 0.]
[0. 0. 0. 0. 0. 1. 0. 0.]
[0. 0. 0. 0. 0. 0. 1. 0.]
[0. 0. 0. 0. 0. 0. 1.]]
[[5 1 5 3]
[3 5 5 6]
[5 8 5 5]
[3 1 6 1]
[5 8 5 3]
[5 1 2 8]
[6 0 7 7]
[2 1 0 3]]
[[5. 1. 5. 3.]
[3. 5. 5. 6.]
[5. 8. 5. 5.]
[3. 1. 6. 1.]
[5. 8. 5. 3.]
[5. 1. 2. 8.]
[6. 0. 7. 7.]
[2. 1. 0. 3.]]
```

