INDIAN SCHOOL AL WADI AL KABIR

Worksheet, 2023-24

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| **Class: XI** | **SUB: INFORMATICS PRACTICES** | **Date of Submission: 06/08/2023** |
| **Worksheet No:1** | **TOPIC: Python – Basic Programs** | **Note: Holiday Home Work** |

**Q.I Develop a Python program:**

1. Write a program to convert distance in Meters to Kilometer and Meter.

Hint: If Input Meters = 7840, then output = 7 KM and 840 M

1 KM = 1000 Meters

1. Write a program to calculate and Compound Interest.

A = P x (1+R/100)t

Compound Interest = A – Principal Amount

P – Principal Amount A – Amount R – Rate T – Time Span

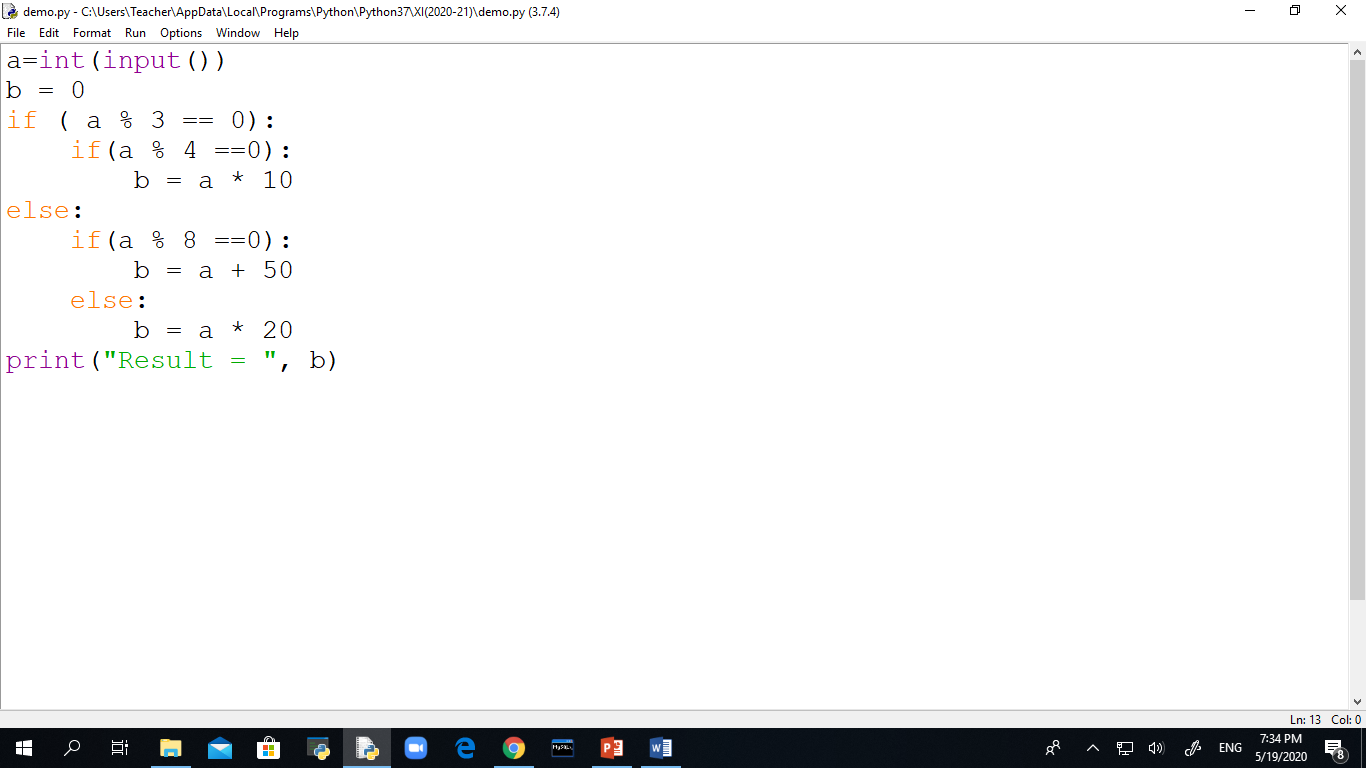
1. Write a program using if..else to calculate the eligibility for Senior person discount. If the age is more than 60, he is eligible otherwise not.
2. Write a program to convert Kilometers into Miles.

Miles = Kilometers \* 0.621371

1. Write a program to calculate Celsius to Fahrenheit.

Fahrenheit = (Celsius x 1.8) + 32

1. Write a program to swap two numbers using temporary variable.
2. Write a program to swap two numbers without using temporary variable.
3. What will be the output of the following code fragment when
4. a=30 ii) a=16



1. Find the output of the following code fragment.

for i in range(2):

print(i)

else:

print('End of for loop')

1. Evaluate the expressions.
2. 24 % 3 \* 4 // 5 + 6

ii)12 \* ( 6 % 4) // 2 + 6

1. What will be the output of the following code fragment?

for x in range(1,6):

print('x = ', x)

1. Write a program to check whether the number entered by a user is divisible by both 3 and 4.

**Note : Write the answers in your Informatics Practices Theory Note Book and submit to your Informatics Practices Teacher on or before 06/08/2023.**