Scanned with OKEN Scanner

```
MAME - MARJUNI
```

UNIQUE ID:- E0222054

SUBJECT: CSE 120 PYTHON PROGRAMMING

1) Write a Python code for converting length in cm to km.

CODE:

a = float (input ("Enter a value:"))

Convert = a 1000

print (a, "cm = ", convert, "km")

OUT PUT:

Enter a Value: 4

4.0cm = 0.004 km

2) Write a Python program to check whether given number is palindrome or not.

CODE:-

hum = int(input ("Enter a number:")).

greversed \_ hum = 0

check = hum

while hum >0:

digit = hum 1.10

reversed\_num = reversed\_num 10 + digit

num 11 = 10

print ("Reversed Number:" (neversed\_num))

if (check == neversed = num):
print ("The number you entered is a Palindrome")

else: print ("Its not an Palindrome")

OUTPUT '-

Enter a number: 405

Reversed Number: 504

Its not an Palindrome.

- 3) Write a menu driven program for the following task a) factorial number
  - b) prime humber
  - c) Digit Product
  - d) Digit Sum

(ode:

num = int (input ("Enter a number"))

Select = int Cinput ("1- Factorial number In 2. Prime Number In 3. Digit Product In 4. Digit Sum In"))

Scanned with OKEN Scanner

if select == 1:
factorial = 1
for i in stange (1, numti):
factorial \* = i

```
paint ("The Factorial of "num, "is " end = ""
     maint (factorial)
elif select = = 2:
      temp = Tonce
      if hum >1:
           for i in stange (2, numl/2 +1):
               if num -1 : i = 0:
                   temp = False
                   break.
           if temp.
                paint ("It is a Prime Number")
            else noint ("It is not a Poinne Number")
        else:
paint ("Its not a paime number")
elif select == 3:
      Product = 1
       Mile num >0:
             digit = num-1.10
             product = product* digit ...
              ham = ham 10
       paint ("Products of digits is", product)
```

Scanned with OKEN Scanner

elif select == 4:

Sum\_val = 0
While num > 0:

digit = num 1.10

num = num 110

sum\_val = sum\_val + digit

noint ("Sum of Digits is", sum\_val)

OUTPUT

Inter a number 45

- 1) Factorial numebon
- 2) Prime number
- 3) Digit Product
- 4) Digit Sum.

Product of digits is 20

4) White a Program to check whether given input is ...

CODE:

inp = input (" Enter Character")

if inp in ["a", "e", "i", "o", "u"]:

print ("It is a Vowel in lower case")

if inp in ["A", "E", "T", "o", "u"]:

print ("It is a Vowel in Upper (ase")

else:
naint ("It is a consorant")

OUTPUT:

Enter Character Q

It is a Consonant

5) Write a program that prompts the user to enter a string. The program calculates and displays the length of the string with user enters "quit".

HINT: Use While Loop.

CODE:

while Thue:

inp = input ("Enter a String.")

if inh == "quit":

break inpl

print ("The Length of the string is", n)

Scanned with OKEN Scanner

OUTPUT :

Enter a String: dhuiast.
The length of the string is T.

Enter a String a The length of the string is 1.

Enter a String: quit.

6) Write a Program to calculate pooking charge of a vehicle. Enter the type of Vehicle as character [Cc+for Can, b for Bus, k for Bike] and number of hours, then calculate charge as given below.

Bus - 20 Per Hour

Bike - 10 Per Hour

Con - 15 Per How

Con - 15 Per How

Cobe:

time = int (input "Enter numbers of hours: "))

8elect = input ("I.c for Corlin 2 b for Bush 3. k

for Bike In"))

for Bike (n"))

if (select == "c"):

fare = time \* 15

p print ("Fare is", fare, "Rs")

elif (select == "b"):
fare = time \* 20
print ("Fare is", fare, "Rs")

elif ( select == "k"):

fave = time\* 10

print ("Fare is", fare, "Rs")

else : print ("Please enter an valid Input")

Scanned with OKEN Scanner

## OUTPUT:

Enter hard number of hours: 5

Scanned with OKEN Scanner

1. c for Can

2. By for Bus

3. k for Bike

k

Fave is 50 Rs