

(1)

Date: _____

num1 = float(input("Enter the first ~~number~~"))

num2 = float(input("Enter the second the
Second number:"))

operator = input("Enter an operator
(+, -, *, /):")

if operator == '+':

result = num1 + num2

elif operator == '-':

result = num1 - num2

elif operator == '/':

if num2 != 0:

result = num1 / num2

else:

result = undefined (cannot divide by
Zero)"

else:

result = "Invalid operator"

print ("The result is:", result)

(2)

```
number = int(input("Enter a number:"))
if number % 2 == 0:
    print ("The number is even.")
else:
    print ("The number is odd.")
```

(3)

```
age = int(input("Enter your age:"))
if age >= 18:
    print ("you are eligible to vote.")
else:
    print ("you are not eligible to vote.")
```

(4)

```
num 1 = float (input ("Enter the first  
number :"))
```

```
num 2 = float (input ("Enter the second  
number :"))
```

```
num 3 = float (input ("Enter the third  
number :"))
```

```
if num 1 >= num 2 and num 1 >= num 3  
    largest = num 1
```

```
elif num 2 >= num 1 and num 2 >= num 3  
    largest = num 2
```

```
else :
```

```
    largest = num 3
```

```
print ("The largest number is : ", Largest)
```

Date: _____

(5)

Conversion - type = input ("Enter 'C' to
Convert Celsius to fahrenheit or 'F'
to Convert fahrenheit to Celsius :").
upper()

if Conversion - type == 'C' :

Celsius = float (input("Enter temperature
in Celsius : "))

fahrenheit = (Celsius * 9/5) + 32

print ('f" { Celsius } °C is equal to
{ fahrenheit } °F ")

elif Conversion - type == 'F' :

fahrenheit = float (input("Enter
temperature in Fahrenheit : "))

Celsius = (fahrenheit - 32) * 5/9

print ('f" { fahrenheit } °F is equal to
{ Celsius } °C ")

else :

print (" invalid input. please enter 'C'
or 'F' ")

Date: _____

(6)

Subject 1 = float (input ("Enter marks
for Subject 1: "))

Subject 2 = float (input ("Enter marks
for Subject 2: "))

Subject 3 = float (input ("Enter marks
for Subject 3: "))

average = (Subject 1 + Subject 2 + Subject 3)
/ 3

if average >= 90 :

 grade = "A"

elif 80 <= average < 90 :

 grade = "B"

elif 70 <= average < 80 :

 grade = "C"

elif 60 <= average < 70 :

 grade = "D"

else :

 grade = "F"

print (f Average marks : {average})
print (f "Grade : {grade}")

Date: _____

(7)

```
total - amount = float(input("Enter the  
total shopping amount :"))
```

```
If total - amount > 5000:
```

```
discount = total - amount * 0.20
```

```
elif 3000 <= total - amount <= 5000:
```

```
discount = total - amount * 0.10
```

```
else :
```

```
discount = 0
```

```
final - amount = total - amount - discount
```

```
print(f"total amount : {total - amount}")
```

```
print(f"Discount applied : {discount}")
```

```
print(f"final amount to be paid :")
```

```
{final - amount})
```

(8)

```
year = int(input("Enter a year :"))
```

```
if (year % 4 == 0 and year % 100 != 0)
```

```
or (year % 4000 == 0):
```

```
print(f"\{year} is a leap year")
```

```
else :
```

```
print(f"\{year} is not a leap year")
```

(9)

Principal = float(input("Enter the principal amount : "))

rate = float(input("Enter the rate of interest : "))

time = float(input("Enter the time period in years : "))

Simple - Interest = (Principal * rate * time) / 100

print(f"The simple interest is : {Simple - Interest}")

(10)

Username = input("Enter Username :")
password = input("Enter password :")

password

if Username == "admin" and
password == "1234":
 print ("Login Successful")
else:
 print ("Login Failed")