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| **Class: VIII** | **Department : Computer Science** | **Year :2023-2024** |
| **Worksheet no: 1 with solution** | **Topic: PYTHON INTRODUCTION & CONTROL STRUCTURES**  (Programs for Post midterm Practicals) |

INDIAN SCHOOL AL WADI AL KABIR

1)**Write a python program to calculate Total Marks, & Percentage of a Student**

# Program to Calculate Total Marks, & Percentage

subject1 = float(input("enter the marks of subject1"))

subject2 = float(input("enter the marks of subject2"))

subject3 = float(input("enter the marks of subject3"))

subject4 = float(input("enter the marks of subject4"))

subject5 = float(input("enter the marks of subject5"))

total = subject1 + subject2 + subject3 + subject4 + subject5

percentage = (total / 500) \* 100

print ("The Total marks is:", total)

print ("The Percentage is:", percentage)

**2)Write a program to convert rials into rupees**

#program to convert rials into rupees

ri=float(input("Enter the amount in rials"))

rs=ri\*216

print("Rupees= ", rs)

**3)Write a program to calculate person’s age**

#Program to calculate age of a person

by=int(input("enter birth year of a person"))

age=2023-by

print("age of a person=",age)

**4)Write a program to calculate simple interest**

#program to calculate simple interest

p=int(input("enter the principal amount"))

t=float(input("enter the time period "))

r=float(input("enter the rate of interest"))

si = (p \* t \* r)/100

print('The Simple Interest is', si)

**5)Write a program to convert Celsius into Fahrenheit**

#Temperature conversion of celsius to fahrenheit

celsius=float(input("enter the temperature in celsius"))

fahrenheit= ((celsius\*9)/5)+32

print("Temperature in Fahrenheit is: ");

print(fahrenheit);

**6)Write a program to swap two variables**

# program to swap two variables

x = input(“Enter value of x: “)

y = input(“Enter value of y: “)

# create a temporary variable and swap the values

temp = x

x = y

y = temp

print(“The value of x after swapping:”,x)

print(“The value of y after swapping: “,y)

**7) Write a program to check whether the person is eligible to vote or not**

#Program to check whether a person is eligible to vote or not

age = int (input("Enter your age? "))

if age>=18:

print("You are eligible to vote !!")

else:

print("Sorry! you have to wait !!")

**8)Write a program to check whether the number is positive or not using if -else**

#program to check whether the number is positive or negative

num=int(input("enter any number"))

if num>=0:

print("you have entered a positive number")

else:

print("negative number")

**9)Write a Program to Check If a Number is Odd or Even using If-else Statement**

x = int(input("Enter the number to check"))

if (x % 2 == 0):

print ("The input number is even")

else:

print ("The input number is odd")

**10) Write a program to Check whether the number is divisible by 5 or not using If-else Statement**

x = int(input("Enter the number to check"))

if (x % 5 == 0):

print ("The number is divisible by 5")

else:

print ("The number is not divisible by 5")