**PYTHON ASSIGNMENT-2**

**Name = Karan Dilip Kadam**

1)Write a program to check if the given number is positive or negative.

num=int(input("Enter num to check positive or negative= "))

if(num>=0):

    print("num is positive")

else:

    print("num is negative")

2)Write a program to check if user has entered correct user-id and password

User\_Id=123

Pass="karan"

id=int(input("enter user id= "))

password=input("enter password= ")

if(id == User\_Id and password == Pass):

    print("you are ready to login...")

else:

    print("wrong id or pass !")

3)Write a program to prompt user to enter userid and password. after verifying display a 4digit random number and ask user to enter the same. If user enteres the same number then show huim success message otherwise failed(captcha)

import random

#for id pass authenticate

User\_Id=123

Pass="karan"

id=int(input("enter user id= "))

password=input("enter password= ")

if(id == User\_Id and password == Pass):

    print("you are ready to login...")

else:

    print("wrong id or pass !")

# for random num check

captcha = random.randint(1,9999)

print("your captcha is= ",captcha)

check = int(input("Please enter above number= "))

if(check == captcha ):

    print("captcha Granted !")

else:

    print("invalid captcha !")

4)write a program to display grade of students based on 5 marks

c=int(input("enter c marks= "))

cp=int(input("enter cp marks= "))

java=int(input("enter java marks= "))

python=int(input("enter python marks= "))

dbms=int(input("enter dbms marks= "))

result=(c+cp+java+python+dbms)/500\*100

if(result>=90):

    print("Your grade is First class")

elif(result>=80):

    print("Your grade is Second class")

elif(result>=50):

    print("pass")

else:

    print("fail")

5)write a program to check if person eligible to marry or not.

ans=input("Are you a male(y/n)")

age=int(input("Enter your age"))

if(ans == "y" or ans == "Y"):

    if(age>=21):

        print("you are eligible to marry")

    else:

        print("you are not eligible to marry")

else:

    if(age>=18):

        print("you are eligible to marry")

    else:

        print("you are not eligible to marry")

6)write a program to display ticket pay based on age and amount .

amount = int(input("enter ticket price= "))

n = int(input("enter the no. of people travelling= "))

total = 0

for i in range(1,n+1):

    age = int(input("enter age of the passanger= "))

    if(age >= 60):

        total += amount-amount\*0.5

    elif(age <= 12):

        total += amount-amount\*0.3

    else:

        total += amount

print("total ticket price= ",total)

7)Write a program to check given 3 digit number is palindrome or not.

num=int(input("enter num= "))

temp=num

rev=0

while(num>0):

    rev=rev\*10 + num%10

    num=num//10

if(temp==rev):

    print("num is palindrom")

else:

    print("num is not palindrom")