PYTHON ASSIGNMENT-2

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

```python
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

```python
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)

```python
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

```python
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.

```python
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 .

```python
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.

```python
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")
```