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Assignment 2

1)

x=int(input("Enter 1st number:"))

y=int(input("Enter 2nd number:"))

if x==y:

print("Equal")

elif x<y:

print("Number 2 > Number 1")

else:

print("Number 2 < Number 1")

2)

r=int(input("Enter rate:"))

hrs=int(input("Enter hours:"))

if hrs<=40:

pay=hrs\*r

else:

pay=(40\*r)+(1.5\*r\*(hrs-40))

print("Pay:",pay)

3)

s=float(input("Enter score:"))

if s<0.0 or s>1.0:

print("error")

elif s>=0.9:

print("A")

elif s>=0.8 and s<0.9:

print("B")

elif s>=0.7 and s<0.8:

print("C")

elif s>=0.6 and s<0.7:

print("D")

else:

print("F")

4)

t=float(input("Enter temperature:"))

u=str(input("Enter Unit(c/f):"))

if u=='c':

temp=float((9\*t/5)+32)

print("Temperature is:",temp,"F")

elif u=='f':

temp=float(5\*(t-32)/9)

print("Temperature is:",temp,"C")

else:

print("error")

5)

x=int(input("Enter number:"))

if x==0:

print("number is 0")

elif x>=0:

print("number is positive")

else:

print("number is negative")

6)

x=int(input("Enter number:"))

if x%2==0:

print("number is even")

else:

print("number is odd")

7)

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

b=int(input("Enter b:"))

c=int(input("Enter c:"))

if a>b and a>c:

print("Maximum:a")

if b<c:

print("Minimum:b")

else:

print("Minimum:c")

elif b>a and b>c:

print("Maximum:b")

if a<c:

print("Minimum:a")

else:

print("Minimum:c")

else:

print("Maximum:c")

if b<a:

print("Minimum:b")

else:

print("Minimum:a")

8)

import sys

r=input("Enter rate:")

if r.isnumeric()==False:

print("Error,please enter numeric input")

sys.exit()

else:

r=int(r)

h=input("Enter hours:")

if h.isnumeric()==False:

print("Error,please enter numeric input")

sys.exit()

else:

h=int(h)

if h<=40:

pay=h\*r

else:

pay=(40\*r)+(1.5\*r\*(h-40))

print("Pay:",pay)

9)

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

tmp=a

s=0

while tmp>0:

s=s+((tmp%10)\*\*3)

tmp=int(tmp/10)

if s==a:

print("Armstrong number")

else:

print("Not Armstrong")