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ASSIGNMENT 1

VARIABLES

1

```
menu_1="pongal"  
menu_2="onion dosa"  
menu_3="thatta vadai"  
menu_4="idly"  
menu_1_rate_is=20  
menu_2_rate_is=25  
menu_3_rate_is=7  
menu_4_rate_is=15  
print("menu 1 is:",menu_1)  
print("menu 1 rate is",menu_1_rate_is)
```

OUTPUT

```
menu 1 is: pongal  
menu 1 rate is 20
```

2

```
product_1="biscuit"  
product_2="chilli masala"  
product_3="gram flour"  
product_4="detergent soap"  
product_1_rate_is=10  
product_2_rate_is=15  
product_3_rate_is=25  
product_4_rate_is=15  
print("product 3 is:",product_3)  
print("product 3 rate is:",product_3_rate_is)
```

OUTPUT

```
product 3 is: gram flour
```

product 3 rate is: 25

3

```
flower_1="rose"  
flower_2="sun flower"  
flower_3="lotus"  
flower_4="malli"  
flower_1_rate=20  
flower_2_rate=30  
flower_3_rate=45  
flower_4_rate=25  
print("flower 2 is:",flower_2)  
print("flower 2 rate is:",flower_2_rate)
```

OUTPUT

```
flower 2 is: sun flower  
flower 2 rate is: 30
```

ASSIGNMENT 2

PYTHON CONDITIONAL STATEMENTS

1

```
#if else  
number=10  
#check if number is greater than 0  
if number>0:  
    print("number is positive:")  
else:  
    print("number is negative:")
```

OUTPUT

```
number is positive:
```

2

```
#else if  
variable="z"  
if variable=="a":
```

```
print("this is the vowel a:")
elif variable=="e":
print("this is the vowel e:")
elif variable=="i":
print("this is the vowel i:")
else:
print("this is consonant:")
```

OUTPUT

this is consonant:

3

```
#nested if
a=10
if(a==10):
if(a<20):
print("a is less than 20:")
if(a<12):
print("a is less than 12:")
else:
print("a is greater than 20:")
else:
print("a is less than 10:")
```

OUTPUT

a is less than 20:
a is less than 12:

ASSIGNMENT 3

```
print("*****bayayo fruit shop*****")
one_kg_apple=65
one_kg_orange=50
one_kg_grapes=45
one_kg_banana=35
one_kg_pomegranate=70
fruits=["apple","orange","grapes","banana","pomegranae"]
your_order=input("enter your order:")
if your_order in fruits:
print(f"yes!...{your_order}is available:")
how_many_kg=int(input(f"how many kg{your_order}you want:"))
if your_order=="apple":
```

```

total=one_kg_apple*how_many_kg
if total>=1000:
    offer_total=total-200
    print(f"you ordered more than 1000 rupees so your offer total is{offer_total}:")
else:
    print(f"you ordered{how_many_kg}{your_order}'s so,your total bill is{total}:")
elif your_order=="orange":
    total=one_kg_orange*how_many_kg
    if total>=1000:
        offer_total=total-200
        print(f"you ordered more than 1000 rupees so your offer total is{offer_total}:")
    else:
        print(f"you ordered{how_many_kg}{your_order}'s so,your total bill is{total}:")
elif your_order=="grapes":
    total=one_kg_grapes*how_many_kg
    if total>=1000:
        offer_total=total-200
        print(f"you ordered more than 1000 rupees so your offer total is{offer_total}:")
    else:
        print(f"you ordered {how_many_kg}{your_order}'s so,your total bill is{total}:")
elif your_order=="banana":
    total=one_kg_banana*how_many_kg
    if total>=1000:
        offer_total=total-200
        print(f"you ordered more than 1000 rupees so your offer total is{offer_total}:")
    else:
        print(f"you ordered {how_many_kg}{your_order}'s so,your total bill is{total}:")
elif your_order=="pomegranate":
    total=one_kg_pomegranate*how_many_kg
    if total>=1000:
        offer_total=total-200
        print(f"you ordered more than 1000 rupees so your offer total is{offer_total}:")
    else:
        print(f"you ordered {how_many_kg}{your_order}'s so, your total bill is{total}:")

```

OUTPUT

```

total=one_kg_orange*how_many_kg

```

ASSIGNMENT 4

GST CALCULATION

```
# gst calculation formula:
# gst amount=oa*gst rate/100
# oa=original amount
# total price=original amount + gst amount
print("GST CALCULATION")
original_amount=int(input("enter the original amount:"))
gst_rate=int(input("enter the gst rate:"))
gst_amount=original_amount*gst_rate/100
total_price=original_amount+gst_amount
print(f"gst amount is {gst_amount}")
print(f"total price is {total_price}")
```

OUTPUT:

```
PS D:\python\sample> &
C:/Users/LENOVO/AppData/Local/Programs/Python/Python312/python.exe
d:/python/sample/s1/assignment6.py
GST CALCULATION
enter the original amount:100
enter the gst rate:10
gst amount is 10.0
total price is 110.0
```

```
PS D:\python\sample> &
C:/Users/LENOVO/AppData/Local/Programs/Python/Python312/python.exe
d:/python/sample/s1/assignment6.py
GST CALCULATION
enter the original amount:90
enter the gst rate:3
gst amount is 2.7
total price is 92.7
PS D:\python\sample>
```