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20P-0750

Assignment no:1

Task no:1

```
def sum (x,y,z):
    s = x+y+z
    return square (s)
def square (s):
    sq = s*s
    return divide (sq)
def divide (d)
    div = d/3
    return div
def Fun (x,y,z):
    return (sum(x,y,z))
```

Task no: 2

```python
def Fun(Number_of_classes_held, Number_of
        classes_attended):

    percentage = (Number_of_classes_attended/
                Number_of_classes_held)*100
    print(percentage)
    if percentages = 80:
        return True
else:
    return False
```

Task no:3

```
def difference(a,b):
    if a <= b:
        a,b = b,a
    return a - b
```

Task no:4

```
container = 0
box = 0
print ("1 Box contain 24 cookies\n1 container
        contains 75 boxes")
cookies = int (input (" Enter number of cookies \n"))
copy = cookies
while (copy > 0):        # for number of boxes
    copy -= 24
    box += 1

copy = box
while (copy > 0):        # for number of containers
    copy -= 75
    container += 1
print (" the number of boxes", box)
print (" the number of containers=", container)
```

Task no: 5

```python
def men():
    choice = int(input("enter gender of the person:\n1 for male,
                        for female"))
    if choice ==1:
        body_weight = int(input("enter body weight of person:"))
        wrist_measurement = int(input("enter wrist measurement of
                                person:"))
```

```python
# Body fat formula for men:
    A1 = (body_weight * 1.082) + 94.42
    A2 = (wrist_measurement) * 4.15
    B = A1 - A2
    Body_fat = body_weight - B
    print("Body fat of the person", body_fat)

def women():
    if choice ==2:
        body_weight = int(input("enter body_weight of person:"))
        wrist_measurement_fullest_point = int(input("enter wrist
                        measurement at fullest point of person:"))
        waist_measurement_navel = int(input("enter wrist measurement
                        at novel of percon:"))

        hip_measurement_fullest_point = int(input("enter hip
                        measurement at fullestpoint of person:"))
        forearm_measurement_fullest_point = int(input("enter
                        forearm measurement at fullest point of person:"))
```

```
# Body fat formula for women:
    A1 = (body-weight * 0.732) +8.987
    A2 = (waist_measurement_fullest_point)/8.140
    A3 = (waist_measurement_navel) * 0.157
    A4 = (hip-measurement_fullest_point) * 0.249
    A5 = (forearm_measurement_fullest_point) * 0.434
    B = A1 + A2 - A3 - A4 + A5
    Body_fat = body weight - B
print("Body fat of the person", Body-fat)

body_fat_per = Body_fat * 100/body_weight
print(body_fat_per)
```