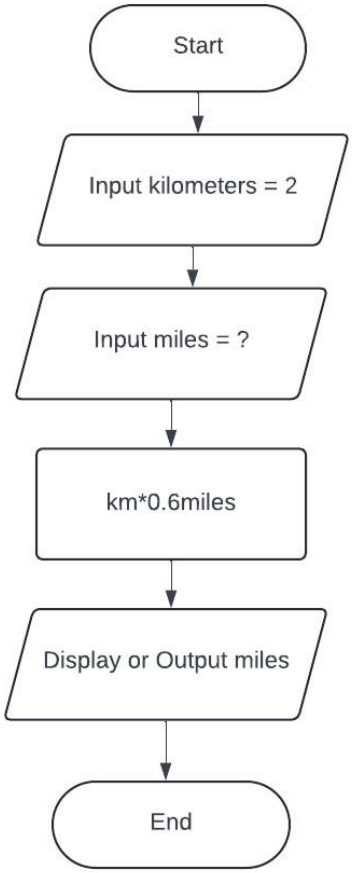
Activity 1:



Activity 2:

```
Radius = 4
pi = 3.1
#calculate the area of circle
AOC = pi*Radius*Radius
print(" value of circle, is:", AOC)
```

Output:

```
value of circle, is: 49.6
```

Activity 3:

```
x = int(input("Enter the total sales:")) #input the total sales to user
yearProfit = 0.23*x #assigned the yearProfit as the yearly profit
print("value of yearProfit, is:", yearProfit) #print the result of the
yearProfit
```

Output:

```
Enter the total sales:167500
value of yearProfit, is: 38525.0
```

Activity 4:

```
sf= int(input("Enter the total land in sf:")) #give the user the input
acres = sf/43560 #calculate the acres
print ("total acres is:", acres) #display the result
```

Output:

```
Enter the total land in sf:35000
total acres is: 0.8034894398530762
```

Activity 5:

```
item1 = int(input("Enter price of I1:")) #enter the items.
item2 = int(input("Enter price of I2:"))
item3 = int(input("Enter price of I3:"))
item4 = int(input("Enter price of I4:"))
item5 = int(input("Enter price of I5:"))
SubT = item1 + item2 + item3 + item4 + item5 #SubT is the Subtotal
TA = SubT*0.07 #solve this statement and TA is the amount of sales tax
NP = SubT - TA #NP is the Net Total
print("the subtotal of the sale is:", SubT, "the amount of sale tax is:",
TA, "Finally the net total is:", NP)
```

Name: Hifza Zahid Student ID: 233898

Output:

```
Enter price of I1:250
Enter price of I2:190
Enter price of I3:780
Enter price of I4:80
Enter price of I5:340
the subtotal of the sale is: 1640 the amount of sale tax is: 114.80000000000001 Finally the net total is: 1525.2
```