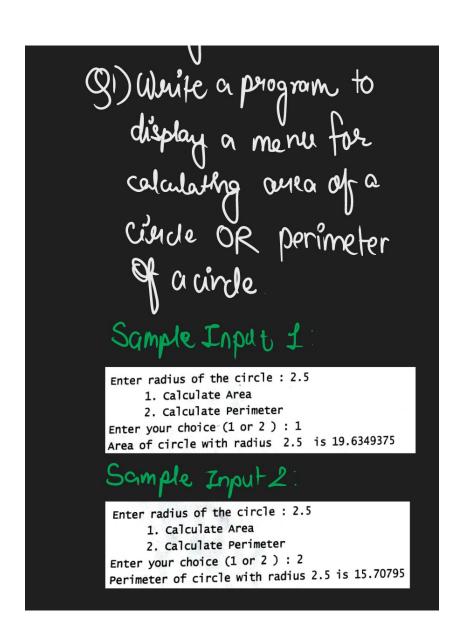
ASSIGNMENT 3

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QUESTION 1



Code:

```
r=float(input("enter radius of circle:"))
print("1.calculate area")
print("2. calculate perimeter")
choice=int(input("enter your choice (1 0r 2):"))
if choice==1:
    area=3.14*r*r
    print("area of the circle with radius",r,"is",area)
elif choice==2:
    perimeter=2*3.14*r
    print("perimeter of the circle with radius",r,"is",perimeter)
else:
    print("u entered invalid choice")
```

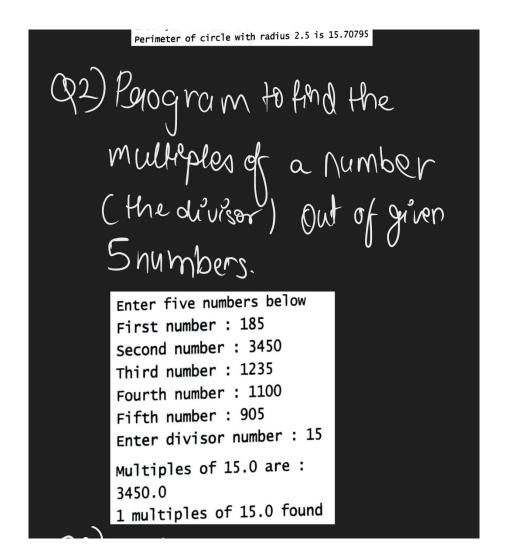
Output:

```
]: r=float(input("enter radius of circle:"))
   print("1.calculate area")
   print("2. calculate perimeter")
   choice=int(input("enter your choice (1 0r 2):"))
   if choice==1:
       area=3.14*r*r
       print("area of the circle with radius", r, "is", area)
   elif choice==2:
       perimeter=2*3.14*r
       print("perimeter of the circle with radius", r, "is", perimeter)
   else:
       print("u entered invalid choice")
   enter radius of circle:2.5
   1.calculate area
   2. calculate perimeter
   enter your choice (1 0r 2):1
```

area of the circle with radius 2.5 is 19.625

```
r=float(input("enter radius of circle:"))
print("1.calculate area")
print("2. calculate perimeter")
choice=int(input("enter your choice (1 0r 2):"))
if choice==1:
    area=3.14*r*r
    print("area of the circle with radius",r,"is",area)
elif choice==2:
    perimeter=2*3.14*r
    print("perimeter of the circle with radius", r, "is", perimeter)
else:
    print("u entered invalid choice")
enter radius of circle:2.5
1.calculate area
calculate perimeter
enter your choice (1 0r 2):2
perimeter of the circle with radius 2.5 is 15.700000000000001
```

QUESTION 2



Code1:

```
print("enter five numbers below:")
a=float(input("first number:"))
b=float(input("second number:"))
c=float(input("third number:"))
d=float(input("fourth number:"))
e=float(input("fifth number:"))
div=float(input("enter divisor number:"))
count=0
print("multiples of",div,"are:")
if(a%div==0):
  print(a,sep=' ')
  count+=1
if(b%div==0):
  print(b,sep=', ')
  count+=1
if(c%div==0):
  print(c,sep=', ')
  count+=1
if(d%div==0):
  print(d,sep=', ')
  count+=1
if(e%div==0):
  print(e, sep=' ')
  count+=1
print(count,"multiples of",div,"are found")
```

Output 1:

```
: print("enter five numbers below:")
  a=float(input("first number:"))
  b=float(input("second number:"))
  c=float(input("third number:"))
  d=float(input("fourth number:"))
  e=float(input("fifth number:"))
  div=float(input("enter divisor number:"))
  count=0
  print("multiples of", div, "are:")
  if(a%div==0):
      print(a,sep=' ')
      count+=1
  if(b%div==0):
      print(b, sep=', ')
      count+=1
  if(c%div==0):
      print(c,sep=', ')
      count+=1
  if(d%div==0):
      print(d,sep=', ')
      count+=1
  if(e%div==0):
      print(e, sep=' ')
      count+=1
  print(count, "multiples of", div, "are found")
  enter five numbers below:
  first number: 185
  second number: 3450
  third number: 1100
  fourth number: 1235
  fifth number:905
  enter divisor number: 15
  multiples of 15.0 are:
  3450.0
  1 multiples of 15.0 are found
```

code 2:

```
print("enter five numbers below:")
a=float(input("first number:"))
b=float(input("second number:"))
c=float(input("third number:"))
d=float(input("fourth number:"))
e=float(input("fifth number:"))
div=float(input("enter divisor number:"))
l=[a,b,c,d,e]
]1=[]
count=0
for i in 1:
  if (i%div==0):
     l1.append(i)
     count+=1
print(count,"multiples of",div,"are found")
print("multiples of",div,"are:",l1)
```

output 2:

```
: print("enter five numbers below:")
  a=float(input("first number:"))
  b=float(input("second number:"))
  c=float(input("third number:"))
  d=float(input("fourth number:"))
  e=float(input("fifth number:"))
  div=float(input("enter divisor number:"))
  l=[a,b,c,d,e]
  11=[]
  count=0
  for i in l:
      if (i%div==0):
          ll.append(i)
          count+=1
  print(count, "multiples of", div, "are found")
  print("multiples of",div,"are:",l1)
  enter five numbers below:
  first number:185
  second number: 3450
  third number: 1100
  fourth number: 1235
  fifth number:905
  enter divisor number:15
  1 multiples of 15.0 are found
  multiples of 15.0 are: [3450.0]
```

QUESTION 3

93) Write a program to create a basic celeviator

Code:

```
a=int(input("enetr a value:"))
b=int(input("enetr b value:"))
op=input("enetr any operator:")
if (op=='+'):
  print("the sum is",a+b)
elif (op=='-'):
   print("the subtraction is",a-b)
elif (op=='*'):
   print("the multiplication is",a*b)
elif (op=='/'):
   print("the division is",a/b)
elif (op=='%'):
   print("the remainder is",a%b)
elif (op=='-'):
   print("the subtraction is",a-b)
elif (op=='^{'}):
   print("the power is",a^b)
elif (op=='//'):
   print("the quotient is",a//b)
else:
  print("enter valid operator")
```

Output:

```
: a=int(input("enetr a value:"))
 b=int(input("enetr b value:"))
 op=input("enetr any operator:")
  if (op=='+'):
      print("the sum is",a+b)
 elif (op=='-'):
       print("the subtraction is",a-b)
 elif (op=='*'):
       print("the multiplication is",a*b)
 elif (op=='/'):
       print("the division is",a/b)
 elif (op=='%'):
       print("the remainder is",a%b)
 elif (op=='-'):
       print("the subtraction is",a-b)
 elif (op=='^'):
       print("the power is",a^b)
  elif (op=='//'):
      print("the quotient is",a//b)
 else:
      print("enter valid operator")
```

enetr a value:15
enetr b value:2
enetr any operator:%
the remainder is 1

```
a=int(input("enetr a value:"))
b=int(input("enetr b value:"))
op=input("enetr any operator:")
if (op=='+'):
    print("the sum is",a+b)
elif (op=='-'):
     print("the subtraction is",a-b)
elif (op=='*'):
     print("the multiplication is",a*b)
elif (op=='/'):
     print("the division is",a/b)
elif (op=='%'):
     print("the remainder is",a%b)
elif (op=='-'):
     print("the subtraction is",a-b)
elif (op=='**'):
     print("the power is",a**b)
elif (op=='//'):
     print("the quotient is",a//b)
else:
    print("enter valid operator")
```

enetr a value:2
enetr b value:3
enetr any operator:^
enter valid operator

THE END