```
#Find the compound interest for the given p,n,r  (formula : p(1+r/100)n)
p = int(input("Enter The Principle Amount: "))
r = int(input("Enter The Rate of Interest: "))
n = int(input("Enter The Time Period: "))
print(f'The Compound Interest Is: {p*(1+r/100)**n}')
```

```
Enter The Principle Amount: 1000
Enter The Rate of Interest: 10
Enter The Time Period: 3
The Compound Interest Is: 1331.0000000000005
```

```
#Convert centegrade to farenheit  ( f= 9/5*c+32)
c = float(input("Enter The Temperature In Centegrade: "))
print(f'The Temperature In Farenheit Is: {9/5*c+32}')
```

```
Enter The Temperature In Centegrade: 97
The Temperature In Farenheit Is: 206.6
```

```
#Find the greater of two nos
a, b = int(input('Enter The First Number: ')), int(input('Enter The Second Number: '))
print(f'The Greater Number Is: {max(a,b)}')
```

```
Enter The First Number: 36
Enter The Second Number: 64
The Greater Number Is: 64
```

```
#Write a program for finding surface areas of cylinder and cone (2*PI*r*r*h, 1/3*PI*r*r*h)
def cyl(r,h):
  return 2*3.14*r*r*h
def cone(r,h):
  return 1/3*3.14*r*r*h
r1, h1 = int(input('Enter The Radius Of Cylinder: ')), int(input('Enter The Height Of Cyli
print(f'The Surface Area Of Cylinder Is: {cyl(r1, h1)}')
r2, h2 = int(input('Enter The Radius Of Cone: ')), int(input('Enter The Height Of Cone: ')
print(f'The Surface Area Of Cylinder Is: {cone(r2, h2)}')
```

```
Enter The Radius Of Cylinder: 5
Enter The Height Of Cylinder: 7
The Surface Area Of Cylinder Is: 1099.0
Enter The Radius Of Cone: 5
Enter The Height Of Cone: 7
The Surface Area Of Cylinder Is: 183.16666666666669
```

```
#Find the greatest of four nos ( using ‘and’ operator)   using function.
def grt(a, b, c, d):
  if(a>b and a>c and a>d):
    return a
  elif(b>a and b>c and b>d):
    return b
  elif(c>a and c>b and c>d):
    return c
  else:
    return d
```

```
    return d
a, b, c, d = int(input('Enter The First Number: ')), int(input('Enter The Second Number: '
print(f'The Greater Number IS: {grt(a, b, c, d)}')
```

```
Enter The First Number: 36
Enter The Second Number: 64
Enter The Third Number: 12
Enter The Fourth Number: 25
The Greater Number IS: 64
```

```
#Write a  menu program to perform the operations ( ODDorEven, Factorial, ODDNoUptoN, Prime
loop = 1
choice = 0
def oor(n):
  if (n%2==0):
    print(f"The {n} is Even Number")
  else:
    print(f"The {n} is Odd Number")
def fact(n):
  if n==0:
    return 1
  else:
    return n*fact(n-1)
def odd(n):
  l=list()
  for i in range(n):
    if (i % 2 != 0):
      l.append(i)
  print(l)
def prm(n):
  li=list()
  for i in range(2,n):
    if (i==2):
        li.append(i)
    else:
      for a in range(2,i):
        if (i % a==0):
          break
        elif (a==i-1):
          li.append(i)
  print(li)

while loop == 1:
  print('Menu')
  print('----')
  print('''1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
  5.Quit
                ''')
  try:
        choice = int(input("Choose your option: "))
  except:
        print('Please enter a valid number for option')
  if choice == 1:
```

```
if choice == 1:
      x = int(input("Enter The Number: "))
      oor(x)
      print("-------------------------")

elif choice == 2:
      x = int(input("Enter The Number: "))
      print(f"Factorial Of {x} is: {fact(x)}")
      print("-------------------------")

elif choice == 3:
      x = int(input("Enter A Number For Range: "))
      odd(x)
      print("-------------------------")

elif choice == 4:
      x = int(input("Enter A Number For Range: "))
      prm(x)
      print("-------------------------")
elif choice == 5:
    print("-------------------------")
    break

else:
      print("please choice a valid option from 1 to 5")
      choice=0
```

```
Menu
----
1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
  5.Quit

Choose your option: 1
Enter The Number: 7
The 7 is Odd Number
-------------------------
Menu
----
1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
  5.Quit

Choose your option: 2
Enter The Number: 6
Factorial Of 6 is: 720
-------------------------
Menu
----
1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
  5.Quit

Choose your option: 3
Enter A Number For Range: 12
[1, 3, 5, 7, 9, 11]
-------------------------
Menu
----
1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
  5.Quit

Choose your option: 4
Enter A Number For Range: 12
[2, 3, 5, 7, 11]
-------------------------
Menu
----
1.Odd or Even
  2.Factorial
  3.Odd Numbers
  4.Prime Numbers
```