Task 1.5

product\_name=input("enter the product name:")

price\_per=float(input("enter the price per:"))

quantity=int(input("enter the quantity:"))

total\_cost=price\_per\*quantity

print("You bought",quantity,product\_name)

print("Total cost is",total\_cost)

Task 1.6

a=int(input("enter first number:"))

b=int(input("enter second number:"))

a,b=b,a

print(a,b)

Task 1.7

radius=float(input("enter a readius of circle:"))

pi=3.14

area =pi\*radius\*\*2

print("The area of circle is",area)

Task 1.8

C=float(input("enter celsius:"))

F=(C\*9/5) + 32.

print(F)

Task 1.9

number=int(input("enter the number:"))

if number%2==0:

    print("Number is even")

else:

    print("number is odd")

Task 1.10

P=float(input("enter the principal amount:"))

R=float(input("enter the rate of interest:"))

T=float(input("enter the time of year:"))

simple\_interest=P\*R\*T/100

print("The simple interest is",simple\_interest)

Task2.5

number1=float(input("enter the first number:"))

number2=float(input("enter the second number:"))

operation=input("enter the operation(+,-,\*,/):")

if operation=="+":

    addition=number1+number2

    print("The addition is",addition)

elif operation=="-":

    subtraction=number1-number2

    print("The subtraction is",subtraction)

elif operation=="\*":

    multiplication=number1\*number2

    print("The multiplication is",multiplication)

else:

    division=number1/number2

    print("The division is",division)

Task 3.1

for number in range(2,21,2):

    print(number)

Task 3.2

count=10

while count>=1:

    print(count)

    count-=1

Task 3.3

number=int(input("enter a number:"))

for i in range(1,11):

   result=number\*i

   print(number,"\*",i,"=",result)

Task 3.4

while True:

    name=input("enter the name(or type exit to quit):")

    if name.lower()=="exit":

        break

    print("Hello",name)

Task 3.5

for number in range(1,11):

    if number%2!=0:

        continue

    print(number)

Task 4.5

start =int(input("enter the first number"))

end = int(input("enter the second number"))

for num in range(start, end + 1):

    if num > 1:

        for i in range(2, num):

            if num % i == 0:

                break

        else:

            print(num)

Task 4.7

def factorial(n):

    result=1

    for i in range(1,n+1):

        result\*=i

    return result

number = 5

print(number,"! is",factorial(number))

Task 5.1

def sum\_and\_product(a,b):

    total=a+b

    product=a\*b

    return total,product

result=sum\_and\_product(5,6)

print("sum",result[0])

print("product",result[1])

Task 5.2

def number(n):

    if n>0:

        print("the number is positive")

    elif n<0:

        print("the number is neqative")

    else:

        print("the number is zero")

number(5)

number(-5)

number(0)

Task 5.3

def number(a,b):

    if a>b:

        return a

    else:

        return b

result =number(10, 7)

print("Larger number is:", result)

Task 5.5

def check\_divisibility(number):

    if number%3==0 and number%5==0:

        return "hem 3e hem 5e bolunur"

    elif number%3==0:

        return "yalniz 3e bolunur"

    elif number%5==0:

        return "yalniz 5e bolunur"

    else:

        return "ne 3e nede 5e bolunur"

print(check\_divisibility(15))

print(check\_divisibility(9))

print(check\_divisibility(5))