**ANSWERS**

**TASK 1**

**QUESTION 5 ✅**

product = input("product name: ")

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

price = float(input("Price per unit: "))

Total\_cost= quantity \* price

print(f"{quantity} {product} total price: {Total\_cost} AZN")

**QUESTİON 6 ✅**

a = input("a: ")

b = input(" b: ")

a, b = b, a

print("after swapping two variables:")

print("a =", a)

print("b =", b)

**QUESTION 7 ✅**

import math

radius = float(input("radius of circle: "))

S = math.pi \* radius \*\* 2

print(f"Radius of circle: {S: .2f}")

**QUESTİON 8 ✅**

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

fahrenheit = (celsius \* 9/5)+32

print(f"Temperature: {fahrenheit} F")

**QUESTION 9✅**

number = int(input("import number: "))

if number % 2==0:

print("This number is even.")

else:

print("This number is odd.")

**QUESTION 10 ✅**

P = float(input("the Principal amount (P): "))

R = float(input("the Rate of Interest (R): "))

T = float(input("the Time (T) in years: "))

Simpleinterest = (P\*R\*T)/100

print(f"Simple Interest is: {Simpleinterest}")

**TASK 2**

**QUESTION 5 ✅**

a=float(input("a=: "))

b=float(input("b=: "))

operation = input("Enter an operation: ")

if operation == "+":

print(f"Result: {a+b}")

elif operation == "-":

print(f"Result: {a-b}")

elif operation == "\*":

print(f"Result: {a\*b}")

elif operation=="/":

if b != 0:

print(f"Result: {a/b}")

else:

print("Division by zero is not allowed.")

else:

print("invalid operation ")

**QUESTION 6✅**

year= int(input("input the year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):

print("its a leap year: True")

else:

print("its a leap year: False")

**QUESTION 7✅**

score = int(input("input your score: "))

if 90 <=score<=100:

print("Your grade: A")

elif 80 <=score<90:

print("Your grade: B")

elif 70 <=score<80:

print("Your grade: C")

elif 60 <=score< 70:

print("Your grade: D")

else:

print("Your grade: F")

**QUESTION 8**

a = int(input("Input 1st number: "))

b=int(input("input 2nd number: "))

print("Both number is grater than 10:",a >10 and b >10)

print("at least one number is even:",a% 2 ==0 or b%2==0)

print("first number is grater that second number:", a>b)

**QUESTION 9 ✅**

a= float(input("a=: "))

b = float(input("b=: "))

c = float(input("c=: "))

if a>=b and a>= c:

print("largest number:", a)

elif b>=a and b >=c:

print("largest number:", b)

else:

print("largest number:", c)

**TASK 3**

**QUESTION 5**

for i in range(5):

for j in range(5):

print("\*",end="")

    print()

**QUESTION 4✅**

while True:

name = input("Enter your name:")

if name=="exit":

break

print(f"hi,{name}")

**QUESTION 3 ✅**

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

for i in range(1, 11):

result = number\*i

print(f"{number} x {i}={result}")

**QUESTION 2✅**

count=10

while count>=1:

print(count)

  count -=1

**QUESTION 1 ✅**

for number in range(1,21):

if number %2==0:

 print(number)

**TASK 4**

**QUESTION 6**

a=0

b=1

n=10

for i in range(n):

print(a, end=' ')

T=a+b

a=b

b=T

**QUESTION 7 ✅**

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

factorial=1

if number<0:

print("Factorial doesn't exist.")

else:

for i in range(1, number+1):

factorial \*=i

print("Result:", factorial)

**QUESTION 8**

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

S=0

while a>10:

a=a/3

S+=1

print("Result:",S)

**TASK 5**

**QUESTION 1**

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

b = int(input("b: "))

sum=a+b

product=a\*b

print("Sum:",sum)

print("Product:",product)

**QUESTION 2**

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

if a<0:

print("This number is negative")

elif a==0:

print("This number is zero")

else:

print("This number is positive")

OR

def number(n):

if n>0:

print("This number is positive")

elif n<0:

print("This number is negative")

else:

print("This number is zero")

a=float(input("Enter a number:"))

number(a)

**QUESTION 3**

def S(a,b):

if a>b:

return a

else:

return b

x=int(input("x= "))

y=int(input("y= "))

l=S(x,y)

print("The larger number is:",l)