PYTHON ASSIGNMENT - 2

Question 1 –

```
You, 4 weeks ago | 1 author (You)
# Convert the time entered in hh,min and sec into seconds.

hour = int(input("Please Enter the hour : "))

minute = int(input("Please Enter the minute : "))

second = int(input("Please Enter the second : "))

total_second = hour * 3600 + minute * 60 + second

print(f"The total second is {total_second}")
```

Question 2 –

```
# Convert temp from Celsius to Fahrenheit. (C/5 = (F-32)/9)

Celsius = int(input("Please Enter the Temperature in Celsius : "))
Fahrenheit = (Celsius * 9/5) + 32

print(f"The Temperature in Fahrenheit is {Fahrenheit}")
```

Question 3 –

```python
# Convert distant given in feet and inches into meter and centimeter.

feet = int(input("Please Enter the feet : "))
inches = int(input("Please Enter the inches : "))

meter = feet * 0.3048
centimeter = inches * 2.54

print(f"The meter is {meter}")
print(f"The centimeter is {centimeter}")


```

Question 4 –

```python
#  WAP to calculate area of triangle and rectangle

#Triangle
height = int(input("Please Enter the height : "))
base = int(input("Please Enter the base : "))

area = (height * base)/2

print(f"The area of triangle is {area}")



#Rectangle

length = int(input("Please Enter the length : "))
width = int(input("Please Enter the width : "))

area = length * width

print(f"The area of rectangle is {area}")
```

Question 5 –

```
You, 4 weeks ago | 1 author (You)
#WAP to calculate selling price of book based on cost price and discount.

cost_price = int(input("Please Enter the cost price : "))
discount = int(input("Please Enter the discount : "))

selling_price = cost_price - (cost_price * discount)/100

print(f"The selling price is {selling_price}")
```

Question 6 –

```
# WAP to calculate total salary of employee based on basic, da

basic = int(input("Please Enter the basic : "))
da = (basic * 10)/100
ta = (basic * 12)/100
hra = (basic * 15)/100

total_salary = basic + da + ta + hra

print(f"The total salary is {total_salary}")
```

Question 7 –

```
# Find the sum of three-digit number.

number = int(input("Please Enter the number : "))

sum = (number // 100) + (number % 100 // 10) + (number % 10)

print(f"The sum of three-digit number is {sum}")
```

Question 8 -

```python
#Write a program to swap two numbers using third variable.

a = int(input("Please Enter the Number : "))
b = int(input("Please Enter the Number : "))

temp = a
a = b
b = temp

print(f"The value of a is {a}")
print(f"The value of b is {b}")
```

Question 9 –

```python
#  Write a program to swap two numbers without using third variable

a = int(input("Please Enter the Number of a : "))
b = int(input("Please Enter the Number of B : "))

a = a + b
b = a - b
a = a - b

print(f"The value of a is {a}")

print(f"The value of b is {b}")

```

Question 10 –

```python
# Write a program to reverse three-digit number.
number = int(input("Enter a three-digit number: "))

# Extract the digits
hundreds = number // 100
tens = (number % 100) // 10
ones = number % 10

# Reverse the digits
reversed_number = ones * 100 + tens * 10 + hundreds

# Output the result
print("Reversed number:", reversed_number)
```

Question 11 –

```python
# Write a program to accept an integer amount from user and tell minimum number of no

amount = int(input("Please Enter the amount : "))

notes_500 = amount // 500
amount = amount % 500

notes_200 = amount // 200
amount = amount % 200

notes_100 = amount // 100
amount = amount % 100

notes_50 = amount // 50

print(f"The number of notes of 500 is {notes_500}")
print(f"The number of notes of 200 is {notes_200}")
print(f"The number of notes of 100 is {notes_100}")
print(f"The number of notes of 50 is {notes_50}")
```