

Assignment

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Q1. `print(str(input("Enter your name: ")))`
Output: Enter your name: Mahesh
Mahesh

Q2. `print(float(input("Enter no.: ")))`
Output: Enter no.: 12.5
12.5
Enter no.: 12
12.0

Q3. `a = int(input("Enter a number: "))`
`b = int(input("Enter a number: "))`
`print(a+b)`

Output: Enter a number: 25
Enter a number: 25
50

Q4. `r = float(input("Enter the radius of a circle: "))`
`print(3.14 * r * r * 2)`

Output: Enter the radius of a circle: 2
12.56

Q5. `r = float(input("Enter a number to calculate square: "))`

`print("square of r:", r * r * 2)`
Output: Enter a number to calculate square: 1.5
2.25

2) 11)

Q6. $a = \text{float}(\text{input}(\text{"Enter the base of triangle = "}))$
 $b = \text{float}(\text{input}(\text{"Enter the height of triangle = "}))$
 $\text{area} = (a \times b) / 2$
 $\text{print}(\text{"Area of triangle = ", area})$

Q7. $a = \text{int}(\text{input}(\text{"Enter the 1st num = "}))$
 $b = \text{int}(\text{input}(\text{"Enter the 2nd num = "}))$
 $c = \text{int}(\text{input}(\text{"Enter the 3rd num = "}))$
 $\text{avg} = (a + b + c) / 3$
 $\text{print}(\text{"Area of triangle = ", avg})$

Q8. $p = \text{int}(\text{input}(\text{"Enter the principal = "}))$
 $t = \text{int}(\text{input}(\text{"Enter the time = "}))$
 $r = \text{int}(\text{input}(\text{"Enter the rate = "}))$
 $si = \text{float}((p \times t \times r) / 100)$
 $\text{print}(\text{"Simple interest = ", si})$

Q9. $l = \text{float}(\text{input}(\text{"Enter the length of cuboid = "}))$
 $w = \text{float}(\text{input}(\text{"Enter the width of cuboid = "}))$
 $h = \text{float}(\text{input}(\text{"Enter the height of cuboid = "}))$
 $\text{volume} = \text{float}(l \times w \times h)$
 $\text{print}(\text{"Volume of cuboid = ", volume})$

Q10. $l = \text{float}(\text{input}(\text{"Enter the length of rect = "}))$
 $b = \text{float}(\text{input}(\text{"Enter the width of rect = "}))$
 $\text{area} = l \times b$
 $\text{print}(\text{"area of rectangle = ", area})$

1.5