

ASSIGNMENT 1

Write a Python program to print the following string in a specific format

Twinkle, twinkle, little star,How I wonder what you are! Up above the world so high,Like a diamond in the sky.Twinkle, twinkle, little star How I wonder what you are

```
poem=""
    Twinkle, twinkle, little star,
        How I wonder what you are!
            Up above the world so high,

                Like a diamond in the sky.
    Twinkle, twinkle, little star.
        How I wonder what you are""

print(poem)
```

```
    Twinkle, twinkle, little star,
        How I wonder what you are!
            Up above the world so high,

                Like a diamond in the sky.
    Twinkle, twinkle, little star.
        How I wonder what you are
```

ASSIGNMENT 2

Write a Python program which accepts the radius of a circle from the user and compute the area.

EQUATION

Radius= $3.14 * r * r$

```
r=float(input("Enter radius"))
ar=(3.14*r*r)
print("Entered radius : ",r)
print("Area of the circle",ar)
```

Radius of the circle 78.5

ASSIGNMENT 3

One extra-large 18inch pizza costs as much as two medium 12inch pizzas.If i wanted to buy get the most pizza possible,should i buy 18inch pizza or two 12inch pizzas?

Given Data

Diameter of first pizza = 18 inch

Therefore Radius = Diameter / 2

ie Radius = 9 inch

To find the area of First pizza = $3.14 * 9 * 9$

Diameter of second pizzas = 12 inch

Therefore Radius = Diameter / 2

ie Radius = 6 inch

To find area of single second pizza = $3.14 * 6 * 6$

Area of double second pizzas = $2 * 3.14 * r * r$

```
p1rad=18/2
p2rad=12/2
area1=3.14*p1rad**2
area2=2*(3.14*p2rad**2)
print("\nArea of 18 inch pizza : ",area1)
print("\nArea of two 12 inch pizzas : ",area2)
if area1>area2:
    print("\nWanted to buy 18 inch pizza")
else:
    print("\nWanted to buy 18 inch pizza")
```

Area of 18 inch pizza : 254.34

Area of two 12 inch pizzas : 226.08

Wanted to buy 18 inch pizza