

Python – Worksheet 1 Assignment Answers

Q1.

Ans.:- C) %

Q2.

Ans.:- A) 0.666

Q3.

Ans.:- C) 24

Q4.

Ans.:- A) 2

Q5.

Ans.:- D) 6

Q6.

Ans.:- C) the finally block will be executed no matter if the try block raises an error or not.

Q7.

Ans.:- A) It is used to raise an exception.

Q8.

Ans.:- D) in for loop

Q9.

Ans.:- A) _abc

C) abc2

Q10.

Ans.:- A) yield

B) raise

#Q11. Ans

```
def factorial(n):
```

```
    return 1 if (n==1 or n==0) else n * factorial(n - 1)
```

```
num =8
```

```
print("Factorial of",num,"is",factorial(num))
```

Output- Factorial of 8 is 40320

#Q12. Ans

```
from math import sqrt
```

```
n = 7
```

```

flag = 0
if(n > 1):
    for k in range(2, int(sqrt(n)) + 1):
        if (n % k == 0):
            flag = 1
            break
    if (flag == 0):
        print(n, " is a Prime Number!")
    else:
        print(n, " is Not a Prime Number!")

```

Output- 7 is a Prime Number!

#Q13. Ans

```

def isPalindrome(s):
    return s == s[::-1]
s = "Time is Money"
ans = isPalindrome(s)
if ans:
    print("Yes")
else:
    print("No")

```

Output – No

#Q14. Ans

```

import math
a = 2
b = 6
c = math.sqrt(a ** 2 + b ** 2)
c

```

Output - 6.324555320336759

#Q15.

Ans.:-

```

string = "Knowledge is Power"
res = {}
for keys in string:
    res[keys] = res.get(keys, 0) + 1
print("Count of all characters is : \n"+ str(res))

```

Output - Count of all characters is :

```
{'K': 1, 'n': 1, 'o': 2, 'w': 2, 'l': 1, 'e': 3, 'd': 1, 'g': 1, ' ': 2, 'i': 1, 's': 1, 'P': 1, 'r': 1}
```