

lab 6

1-

```
import math
print('The value of pi = %4.2f' %math.pi)
print('pi = 22/7 = %4.3f' %math.pi)
x= 20/5
print('20/5 =%d= %4.2f' %x)
```

2-

```
for i in range(998, 1002):
    print(i)
```

3-

```
a = 3.863
print("%.3f\t%.2f\t%.1f\n%.0f\t%d" %(a,a,a,a,a))
```

4-

```
print("My name is Ahmed\nFriends call me \"Mido :)\"\nI don't like\napples\\bananas\\
```

5-

```
s = "Hello. My name is ahmed. I am from Cairo"
a = s.split()
b = s.split(",")
c = s.split(".")
d = s.split(". ")
print(s)
print(a)
print(b)
```

```
print(c)
print(d)
```

6-

```
lengths = [5.50, 7.31, 10.45]
widths = [4.1, 5.3, 4.9]

print("Num\tLength\tWidth\tArea (rounded)")
for i in range(len(lengths)):
    area = round(lengths[i] * widths[i])
    print(f"{i+1}\t{lengths[i]}\t{widths[i]}\t{area}")
```