1. Get the characters from index 2 to index 4:

```
txt = "Hello World"
x = ?            x = txt[2:5]


print(x)
```

---

2. Convert the value of txt to upper case.

   txt = "Hello World"

```
txt = "Hello World"
txt = txt.upper()
print(txt)
```

---

3. Write a program to create a new string made of an input string's first, middle, and last character. For example, for given:

   str1 = "program"

the expected output is:

"pgm"

```
str1 = "program"

first_char = str1[0]
middle_char = str1[len(str1) // 2]
last_char = str1[-1]

new_str = first_char + middle_char + last_char


print(new_str)
```

---

4. Write a program to create a new string made of the middle three characters of an input string.

Given:

Case 1

```
str1 = "JhonDipPeta"
```

Output

```
Dip
```

Case 2

```
str2 = "JaSonAy"
```

Output

```
Son
```

5. Given two strings, s1 and s2. Write a program to create a new string s3 by appending s2 in the middle of s1.

Given:

```
s1 = "Ault"
s2 = "Kelly"
```

Expected Output:

```
AuKellylt
```

---

6. Given two strings, `s1` and `s2`, write a program to return a new string made of s1 and s2's first, middle, and last characters.

Given:

```
s1 = "America"
s2 = "Japan"
```

Expected Output:

```
AJrpan
```

7. Count all letters, digits, and special symbols from a given string.

Given:

```
str1 = "P@#yn26at^&i5ve"
```

Expected Outcome:

```
Total counts of chars, digits, and symbols

Chars = 8
Digits = 3
Symbol = 4
```

8. Write a program to find all occurrences of “USA” in a given string ignoring the case.