

```
In [1]: import random
print("Generate Letter based on the Random Number")
character = input("enter a number\n")
for row in range(random.randint(1,10)):
    print(character * row)
```

```
Generate Letter based on the Random Number
enter a number
g

g
gg
ggg
gggg
ggggg
gggggg
ggggggg
```

```
In [2]: import random
print("Yahtzee Program")
count = 0.0000
def check_yahtzee(dice):
    """ Check if all five dice have same value"""
    return all(dice[i] == dice[0] for i in range(1,5))
for i in range(10000):
    # Roll the dice
    dice = [random.randint(1,6) for _ in range(5)]
    # Check for Yahtzee
    if check_yahtzee(dice):
        print("You Rolled {} and it's a yahztee!".format(dice))
        count += 1
print("Percentage of getting Yahtzee = {:.2f}".format((count / 10000) * 100))
```

```
Yahtzee Program
You Rolled [6, 6, 6, 6, 6] and it's a yahztee!
You Rolled [4, 4, 4, 4, 4] and it's a yahztee!
You Rolled [6, 6, 6, 6, 6] and it's a yahztee!
Percentage of getting Yahtzee = 0.03
```

```
In [3]: print("Program to remove spaces in a sentence and print in uppercase")
def remove(s):
    s = "".join(s.split(" "))
    return s.upper()
stri = input("Enter a Sentence\n")
print("Modified String" , remove(stri))
```

```
Program to remove spaces in a sentence and print in uppercase
Enter a Sentence
sample sam samsam sam
Modified String SAMPLESAMSAMSAM
```

```
In [4]: print("String Manipulation")
strin = input("enter a string\n")
str1='***'
str2='!'
i = len(strin)
if i >= 5:
    strin = " ".join([strin[:5],str1])
else:
    while i < 5:
        strin = " ".join([strin[:i],str2])
        i += 1
print (strin)
```

```
String Manipulation
enter a string
sample
sampl ***
```

```
In [7]: print("FIRST LETTER OF EACH WORD")
def first(stri):
    for i in range(len(stri)):
        if i == 0:
            print(stri[i],end=" ")
        if stri[i] == " ":
            print(stri[i + 1],end=" ")
stri = input("enter a string with multiple words\n")
first(stri)
```

```
FIRST LETTER OF EACH WORD
enter a string with multiple words
sample program execution
s p e
```

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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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