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# Question 1 Answer
import random
letter=input("Enter a letter:")
random_number=random.randint(1,10)
result=letter*random_number
print(result)
```

```
Enter a letter:r
rrrr
```

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# Question 2 Answer
import random
yahtzee_count=0
for i in range(10000):
    dice=[random.randint(1,6) for i in range(5)]
    if dice.count(dice[0]) == 5:
        yahtzee_count += 1
percentage = (yahtzee_count/10000)*100
per=round(percentage,2)
print("percentage of yatzees:",per)
```

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percentage of yatzees: 0.11
```

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# Question 3 Answer
sentence=input("Enter the sentence:")
sen=sentence.replace(" ", "")
sen1=sen.upper()
print(sen1)
```

```
Enter the sentence:python is a programming language
PYTHONISAPROGRAMMINGLANGUAGE
```

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# Question 4 Answer
string = input("Enter the string: ")
if len(string)>=5:
    new_string = string[:5] + "*****"
else:
    new_string = string + "!" * (5-len(string))
print(new_string)
```

```
Enter the string: abcde
abcde*****
```

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# Question 5 Answer
sentence=input("Enter the sentence:")
words=sentence.split()

for word in words:
    print(word[0],end=" ")
```

```
Enter the sentence:Python is case sensitive
P i c s
```

