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BE 1600

15 October 2021

Assignment 02

1.

- a. `x = random.randint(1, 100)` does nothing if it is left alone like that but if it were to have been executed properly it would assign a random integer from 1 to 100 to the `x` variable.
- b. `print(random.random())` prints a random number from 0.0 to 1.0
- c. True
- d. False
- e. False
- f. If $(x \geq 1)$ and $(x \leq 10)$:

2.

- a.
 - a. `phrase = "Monty Python"`
`print(phrase[0])`
 - b. `phrase = "Monty Python"`
`print(phrase[11])`
 - c. `length=len(x)`
`last_character = length - 1`
`print (x[last_character])`
 - d. `print(x[:5])`

B.

a. `x="homebody"`

```
print(x[:4])
```

b. `x="homebody"`

```
print(x[4:8])
```

a. `s = "abcdef"`

```
length =len(s)
```

```
half_length = length/2
```

```
print (s[:int(half_length)])
```

b. `x = "abcdef"`

```
length=len(x)
```

```
half_length=length/2
```

```
print(x[int(half_length):int(length)])
```

c.

a. `s = "abcdefghi"`

```
length=len(s)
```

```
mlength = (length/2)-1/2
```

```
print (s[int(mlength)])
```

b. `len1=int(len(s)/2)`

```
print(s[0:len1])
```

c. `print(s[len1+1:])`

D.

a. Wa syu ae

d. y si t

E.

```
z=""
```

```
x = "acegikmoqsuwy"
```

```
y = "+bdfhjlnprtvxz"
```

```
i=0
```

```
for j in range(0,len(x)):
```

```
    z=z+x[j]
```

```
i=i+1
```

```
z=z+y[j]
```

```
print(z)
```

F. This is a test.This is a test.This is a test.