

# Python - Tutorial 1 with Solution

## Input / Output

Q1

```
print("Welcome to the game")
input("Please click here to continue")
```

Q1 Answer

```
Welcome to the game
Please click here to continue <input>
```

Q2

```
print("Welcome", "to", "the", "game")
```

Q2 Answer

```
Welcome to the game
```

## Variables

Q3

```
value = "rainbow"
print("rain", value, value)
print(value, "bow" + "rain")
```

Q3 Answer

```
rain rainbow rainbow
rainbow bowrain
```

Q4

```
value = "rainbow"
print("rain", value)
print(value)
print(value, "bow")
```

Q4 Answer

```
rain rainbow
rainbow
rainbow bow
```

Q5

```
value = True
print("This value is ", value)
```

Q5 Answer

```
This value is True
```

## Simple Math

Q6

```
four = 5
five = four + 5
print(five)
```

Q6 Answer

```
10
```

Q7

```
value = 5 + 2
print(value)
```

Q7 Answer

```
7
```

Q8

```
value = 5 + 2 + 5
print(value)
```

Q8 Answer

```
12
```

Q9

```
value = "5" + "2"
print(value)
```

Q9 Answer

```
52
```

Q10

```
value = "552" + "2"  
print(value)
```

Q10 Answer

```
5522
```

Q11

```
value = "red" + "blue"  
print(value)
```

Q11 Answer

```
redblue
```

Q12

```
answer = 1  
another_answer = 2  
yet_another_answer = another_answer + answer  
another_answer = yet_another_answer + 4  
answer = another_answer + 5  
print(answer)
```

Q12 Answer

```
12
```

Q13

```
answer = 1  
answer = answer + 1  
answer = answer * 2  
answer = answer / 2  
print(answer)
```

Q13 Answer

```
2
```

Q14

```
answer = 1  
another_answer = 3  
answer = answer + 1 + 1 + 1  
answer = another_answer + answer  
print(answer + another_answer)
```

Q14 Answer

10

Q15

```
answer = 1
print(answer + 2 + 3)
```

Q15 Answer

6

Q16

```
answer = 5
Answer = 6
answer_2 = 1
result = answer * 2
print(answer)
```

Q16 Answer

5

## Decision Making

Q17

```
value = 5+1
if value == 6:
    print("Monday")
else:
    print("Tuesday")
```

Q17 Answer

Monday

Q18

```
value = "6"
if value == 6:
    print("Monday")
else:
    print("Tuesday")
```

Q18 Answer

Tuesday

Q19

```
value = 10
if value > 2:
    print("Monday")
elif value > 5:
    print("Tuesday")
else:
    print("Wednesday")
```

Q19 Answer

Monday

Q20

```
value = 10
if value + 5 == 15:
    print("Monday")
elif value > 5:
    print("Tuesday")
else:
    print("Wednesday")
```

Q20 Answer

Monday

Q21

```
value = 1
if value == 1:
    value = 5
    print("Monday")
elif value == 5:
    value = 10
    print("Tuesday")
else:
    print("Wednesday")
```

Q21 Answer

Monday

Q22

```
value = 1
if value > 1:
    print("Monday")
elif value > 5:
    print("Tuesday")
else:
    print("Wednesday")
```

#### Q22 Answer

Wednesday

#### Q23

```
value = 5
if value == 5:
    print("Monday")
    print("Tuesday")
else:
    print("Wednesday")
print("Thursday")
```

#### Q23 Answer

Monday  
Tuesday  
Thursday

#### Q24

```
is_hungry = True
if is_hungry:
    print("May")
print("June")
```

#### Q24 Answer

May

### While Loops

#### Q25

```
i=0
while i < 5:
    print("I like to play games")
```

#### Q25 Answer

I like to play games  
I like to play games  
I like to play games  
I like to play games  
I like to play games  
I like to play games  
I like to play games  
I like to play games  
...<infinite loop>

#### Q26

```
i = 0
while i < 5:
    print("Yes")
    i = i + 1
```

Q26 Answer

```
Yes
Yes
Yes
Yes
Yes
```

Q27

```
i = 0
while i < 5:
    print("Yes")
i = i + 1
```

Q27 Answer

```
Yes
Yes
Yes
Yes
Yes
Yes
...<infinite loop>
```

Q28

```
i = 0
while i <= 5:
    print("Yes")
    i = i + 1
```

Q28 Answer

```
Yes
Yes
Yes
Yes
Yes
Yes
```

Q29

```
i = 0
while i > 5:
    print("Yes")
```

```
i = i + 1  
print("No")
```

**Q29 Answer**

No

**Q30**

```
i = 5  
while i > 5:  
    print("Yes")  
    i = i + 1  
print("No")
```

**Q30 Answer**

No