Python - Tutorial 1

Input / Output

Q1

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

Q2

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

Variables

Q3

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

Q4

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

Q5

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

Simple Math

Q6

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

Q7

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

Q8

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

Q9

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

Q10

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

Q11

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

Q12

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

Q13

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

Q14

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

Q15

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

Q16

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

Decision Making

Q17

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

Q18

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

Q19

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

Q20

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

Q21

```
value = 1
if value == 1:
    value = 5
    print("Monday")
elsif value == 5:
    value = 10
```

```python
        print("Tuesday")
    else:
        print("Wednesday")
```

Q22

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

Q23

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

Q24

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

While Loops

Q25

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

Q26

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

Q27

```python
i = 0
while i < 5:

```

```
    print("Yes")
i = i + 1
```

Q28

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

Q29

```
i = 0
while i > 5:
    print("Yes")
    i = i + 1
print("No")
```

Q30

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