# ▾ Basic Python Programming

Q1) https://www.hackerrank.com/challenges/py-hello-world?isFullScreen=true

```python
print("Hello, World!")
```

```
Hello, World!
```

Q2) https://www.hackerrank.com/challenges/py-if-else?isFullScreen=true

```python
import math
import os
import random
import re
import sys
```

```python
if __name__ == '__main__':
    n = int(input("Enter a number: ").strip())
    if n%2 == 1:
        print("Weird")
    else:
        if n>=2 and n<= 5:
            print("Not Weird")
        elif n>=6 and n<=20:
            print("Weird")
        elif n>20:
            print("Not Weird")
```

```
Enter a number: 14
Weird
```

Q3) https://www.hackerrank.com/challenges/python-arithmetic-operators?isFullScreen=true

```python
if __name__ == '__main__':
    a = int(input("a :"))
    b = int(input("b :"))
    print(a+b)
    print(a-b)
    print(a*b)
```

```
a :5
b :6
11
-1
30
```

Q4) https://www.hackerrank.com/challenges/python-division?isFullScreen=true

```python
if __name__ == '__main__':
    a = int(input("a :"))
    b = int(input("b :"))
    print(a//b)
    print(a/b)
```

```
a :5
b :8
0
0.625
```

Q5) https://www.hackerrank.com/challenges/python-loops?isFullScreen=true

```python
if __name__ == '__main__':
    n = int(input("Enter a number: "))
    for i in range(n):
        print(i**2)
    print()
```

```
Enter a number: 5
0
1
4
9
16
```

Q6) https://www.hackerrank.com/challenges/write-a-function?isFullScreen=true

```python
def is_leap(year):
    leap = False
    if ((year % 400 == 0) or ((year % 4 == 0) and (year% 100 !=0))):
        return True
    else:
        return False

    return leap
year = int(input("Year :"))
print(is_leap(year))
```

```
Year :2023
False
```

Q7) https://www.hackerrank.com/challenges/python-print?isFullScreen=true

```python
if __name__ == '__main__':
    n = int(input("n :"))

    print(*range(1,n+1),sep="")
```

```
n :6
123456
```

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