Write a Python program to display 'Hello World" Message on Screen.

```
print("Hello World")
```

Write a Python program to swap two variables.

```
no1 = int( input("Please enter value for number 1: "))
no2 = int( input("Please enter value for number 2: "))
temp = no1
 no1 = no2
no2 = temp
print ("The Value of number 1 after swapping: ", no1)
print ("The Value of number 2 after swapping: ", no2)
```

OUTPUT:

```
Please enter value for number 1: 10
Please enter value for number 2: 20
The Value of number 1 after swapping: 20
 The Value of number 2 after swapping: 10
```

3 Write a Python program to display the Fibonacci series.

```
# Define a Functions
def fibonacci(n):
    first_num = 0
    second_num = 1
    print(first_num)
    print(second_num)
    for i in range(2, n):
        next = first_num + second_num
        first_num = second_num
        print(next)
        second_num = next
# Calling fib function
fibonacci(10)
```

4 Write a Python program to calculate sum of given number.

```
n=int(input("Enter a number n:"))
sum=0
while(n>0):
 rem=n%10
sum=sum+rem
 n=n//10
print("The total sum of digits is:",sum)
```

- **OUTPUT**
- Enter a number n: 1234
- The total sum of digits is:10

5. Write a Python Program to print first prime number.

```
num = int(input("Enter range:"))
for i in range(2, num):
    if num % i == 0:
        print(num, "Not a Prime")
        break
else:
    print(num, "is a prime")
```

6. Write a Python Program to Check Armstrong Number.

```
n = int(input("Enter a number: "))
# initialize the sum
summ = 0
temp = n

while temp > 0:
    rem = temp % 10
    cube = rem ** 3
    summ += cube
    temp //= 10

# Display the result
if n == summ:
    print(n, "is an Armstrong number")
else:
   print(n, "is not an Armstrong number")
```

7. Write a Python Program to Create a sequence of numbers using range datatype to display 1 to 30, with an increment of 2.

```
  range(start, stop, step)
    x = range(1, 30, 2)
for n in x:
    print(n)
```

OUTPUT:

```
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
```

8. Write a Python Program to Find area of circle.

- PI = 3.14
- r = float(input("Enter the radius of a circle : "))
- area = PI * r * r
- print("Area of a circle = %.2f" % area)

- **OUTPUT**
- Please Enter the radius of a circle:
- 3 Area Of a Circle = 28.26
- Circumference Of a Circle = 18.84

9. Write a Python program to implement Factorial series up to user entered number.

```
num = int(input("Enter a number: "))
factorial = 1
for i in range(1, num+1):
    factorial = factorial * i
    print(factorial)
print("The factorial of", num, "is", factorial)
```

10. Write a Python program to check the given number is palindrome or not.

```
n = int(input("Enter number:"))
temp = n
rev = 0

while(n > 0):
    rem = n % 10
    rev = (rev * 10) + rem
    n = n // 10

if(temp == rev):
    print(temp, "number is a palindrome!")
else:
    print(temp, "number isn't a palindrome!")
```