Program 1:

```
import calendar

# Input format: MM DD YYYY
date_input = input().split()

month = int(date_input[0])
day = int(date_input[1])
year = int(date_input[2])

# weekday() returns 0=Monday, 6=Sunday
day_index = calendar.weekday(year, month, day)

# List of days in uppercase
days = ["MONDAY", "TUESDAY", "WEDNESDAY", "THURSDAY", "FRIDAY", "SATURDAY",
"SUNDAY"]

print(days[day_index])
```

Program 2:

```
# Input number (3 digits only)
num = int(input("Enter a 3-digit number: "))

# Extract digits
a = num // 100         # hundreds place
b = (num // 10) % 10    # tens place
c = num % 10           # units place

# Calculate Armstrong sum
armstrong_sum = (a**3) + (b**3) + (c**3)

# Check Armstrong condition
if armstrong_sum == num:
   print("it is an Armstrong number")
else:
   print(" it is not an Armstrong number")
```

Program 3:

```
def add(a, b):
   return a + b


def sub(a, b):
   return a - b


# Take input from the user
x = int(input("Enter first number: "))
y = int(input("Enter second number: "))

print("Sum =", add(x, y))
print("Difference =", sub(x, y))
```

Program 4:

my_package/add.py

```
def add(a, b):
   return a + b
```

my_package/sub.py

```
def sub(a, b):
   return a – b
```

my_package/__init__.py

main.py

```
from my_package.add import add
from my_package.sub import sub

x = 10
y = 4

print("Sum =", add(x, y))
print("Difference =", sub(x, y))
```