1. **Write a Python Program to Using a numpy module create an array and check the following: 1. Type of array 2. Shape of array 3. Type of elements in array.**

import numpy as np

# Create an array

array = np.array([[1, 2, 3], [4, 5, 6]])

# 1. Type of array

array\_type = type(array)

print("Type of array:", array\_type)

# 2. Shape of array

array\_shape = array.shape

print("Shape of array:", array\_shape)

# 3. Type of elements in array

element\_type = array.dtype

print("Type of elements in array:", element\_type)