**Code:**

import numpy

#1) Write a NumPy program to create a 3x3 matrix with values ranging from 2 to 10.

array1 = numpy.array([[2, 3, 4],[5, 6, 7],[8, 9, 10]])

print(array1)

print("\n")

#2) Write a NumPy program to reverse an array (the first element becomes the last).

array2= numpy.array([1, 2, 3, 4, 5])

reversed\_array = array2[::-1]

print("Original Array:", array2)

print("Reversed Array:", reversed\_array)

print("\n")

#3) Write a NumPy program to test whether each element of a 1-D array is also present in a second array.

array3=numpy.array([1,2,3,4,5,6,7,8,9])

array4=numpy.array([1,2,3,4,5,6,7,8,9])

result=numpy.isin(array3,array4)

print("yes the arrays are same")

print("\n")

#4) Write a NumPy program to find common values between two arrays.

array5=numpy.array([1,2,3,4,5])

array6=numpy.array([3,4,5,6,7,8])

x= numpy.intersect1d(array5, array6)

print(x)

print("\n")

#5) Write a NumPy program to convert Centigrade degrees into Fahrenheit degrees. Centigrade values are stored in a NumPy array.

celcius=float(input("enter the value of temperature"))

array7=numpy.array(celcius)

fahrenheit=array7\*1.8+32

print("temperature in fahrenheit " ,fahrenheit )

Output :

[[ 2 3 4]

[ 5 6 7]

[ 8 9 10]]

Original Array: [1 2 3 4 5]

Reversed Array: [5 4 3 2 1]

yes the arrays are same

[3 4 5]

enter the value of temperature36

temperature in fahrenheit 96.8