```
1.  class arrayHandling {
2.        public -
3.                array = list
4.                choice = string
5.                total = integer
6.
7.                def menu():
8.                        WHILE TRUE:
9.                        Display 500 new line characters
10.                       Display "1. Load Numbers"
11.                       Display "2. Print the Array"
12.                       Display "3. Sum the Array"
13.                       Display "4. Maximum of Array"
14.                       Display "5. Minimum of Array"
15.                       Display "6. Quit"
16.
17.                              get INT choice
18.
19.                              CASEWHERE expression evaluates to
20.
21.                                    1: process Load()
22.                                    2: process Print()
23.                                    3: process Sum()
24.                                    4: process Maximum()
25.                                    5: process Minimum()
26.                                    6: Stop
27.                                    OTHERWISE: REPEAT CASEWHERE
28.                              ENDCASE
29.                       ENDWHILE
30.
31.               def Load():
32.                       WHILE TRUE
33.                       Display 500 new line characters
34.                       Display "Enter \"Menu\" below to return to the menu"
35.                       Display "or Enter an integer to be added to the Array"
36.                              get choice
37.                              IF choice is "menu"
38.                                    BREAK
39.                              ENDIF
40.                              add int(choice) to array
41.                              IF ValueError
42.                                    REPEAT LOOP
43.                              ENDIF
```

```
44.                    ENDWHILE
45.
46.            def Print():
47.            Display 500 new line characters
48.            Display array
49.            Display "There are " + length of array + " values in the Array"
50.
51.            def Sum():
52.                    Display 500 new line characters
53.                    REPEAT
54.                        total += current entry in array
55.                    UNTIL all entries have been processed in array
56.                    Display "The sum of numbers in the Array is"; total
57.                    total = 0
58.                    Display "There are " + length of array + " values in the Array"
59.
60.            def Maximum():
61.                    Display 500 new line characters
62.                    Display "Maximum Value was called"
63.
64.            def Minimum():
65.                    Display 500 new line characters
66.                    Display "Minimum value was called"
67.
68. Instance = arrayHandling()
69. Instance.menu()
70.
```

Line	array	total	choice	Input/Output
1				
2				
3	[]			
4			""	
5		0		
6				
7				
8				

9				Newline * 500
10				"1. Load Numbers"
11				"2. Print the Array"
12				"3. Sum the Array"
13				"4. Maximum of Array"
14				"5. Minimum of Array"
15				"6. Quit"
16				
17			1	Choice ? 1
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				

30				
31				
32				
33				Newline * 500
34				"Enter \"Menu\" below to return to the menu"
35				"or Enter an integer to be added to the Array"
36			1, 2, 3, 4, menu	Choice ? 1, 2, 3, 4, menu
37				
38				
39				
40	[1, 2, 3, 4]			
41				
42				
43				
44				
45				
46				
47				Newline * 500
48				Array = [1, 2, 3, 4
49				"There are " + length of array + " values in the Array"

50				
51				
52				Newline * 500
53				
54		10		
55				
56				"The sum of numbers in the Array is"; total
57		0		
58				"There are " + length of array + " values in the Array"
59				
60				
61				Newline * 500
62				"Maximum Value was called"
63				
64				
65				Newline * 500
66				"Minimum value was called"
67				

68				
69				
70				