

### **Task 1**

Write an assembly program that would input twenty numbers from the user and print sum, then the first number, then the 2<sup>nd</sup> number followed by 3rd number and so on.

### **Task 2**

Write an assembly program that reads 10 numbers from the user. The program then reads a number between 0 to 9, and shows the number at the corresponding index number. For instance, if the array is a and the user enters 3, your program should print the value at position 3.

### **Task 3**

Write an assembly program that reads 10 numbers from the user and prints the first and last odd number in the list.

### **Task 4**

Write a program which reads 5 numbers into an array and prints the third largest number. If the user enters 7, 13, 2, 10, 6 then your program should print 7.

### **Task 5**

Write a program which reads 5 numbers into an array and prints the smallest and largest number and their location in the array.  
If the user enters 7, 13, -5, 10, 6 then your program should print  
"Smallest number -5 was found at location 2".  
"Largest number 13 was found at location 1".

### **Task 6**

Write a program which reads 5 numbers into an array, sorts/arranges the numbers from low to high and prints all numbers in the array.  
If the user enters 7, 13, 2, 10, 6 then your program should print 2, 6, 7, 10, and 13.

### **Task 7**

Given an input string (upper case letters only). Count the number of vowels and consonants in the string. For example, if the user gives "this is a string."  
Then your program should print  
"Given input: this is a string"  
"Vowels: 8 Consonants: 15"