**Sending Arrays as arguments to functions**

Whenever we need to pass a list of elements as argument to any function in C language, it is prefered to do so using an array.

Ex : average of 5 numbers

#include<stdio.h>

float findAverage(int marks[]);

int main()

{

float avg;

**int marks[] = {99, 90, 96, 93, 95};**

**avg = findAverage(marks);**  // name of the array is passed as argument.

printf("Average marks = %.1f", avg);

return 0;

}

**float findAverage(int marks[])**

{

int i, sum = 0;

float avg;

for (i = 0; i <= 4; i++) {

sum += marks[i];

}

avg = (sum / 5);

return avg;

}

**Ex : print all number from an array**

#include <stdio.h>  
void addition(int numbers[],int size)  
{  
 for(int i = 0;i<size ; i++){  
 printf("%d\n",numbers[i]);  
 }  
}  
int main()  
{  
 int numbers[5] = {5,10,15,20,25};  
 addition(numbers,5);  
 //addition(numbers,sizeof(numbers)/sizeof(int));  
 return 0;  
}

**Array with strings**

#include <stdio.h>

void main()

{

char words[3][10]={

"automatic","global","static"

};

for(int i = 0 ; i < 3 ; i++){

printf("%s\n",words[i]);

}

return;

}

**Test : can arrays be sent as value or reference?**