Experiment No. 2

Date:

Aim: Implement the concept of parameter passing in C++.

PART A] while a program to implement the concept of cally by value in C++
PART B] while a program to implement the concept of call by reference in C++.

Aim:	Implement the concept of parameter passing in C++.
	PARTA] Write a program to implement the concept of call by value in C++  PART B] Write a program to implement the concept of call by reference in C++.
Theory:	Call by value in C++:  To the call by value method function organizate once passed by coping the value of the actual parameter, ensuring the original values remained unchanged. The value is copical to the formal parameter. One is the original copy and other is the function copy. Any changes made to the parameter within the function do not change the original values outside the function.  Call by Reference in C++:  To this method instead at passing the values at actual parameters to the formal once ones the addressess at the actual parameter are passed.
	Thus the modification of the function is called to the formal parameters & it affects the actual parameters as well.

Code:	// Call by Value Method Code:
	# include < i ostram>
	using namespare std:
	void increment (int num) {
	num ++;
	Cout << num << endl;
	}
	int main () {
	int number = 5;
	increment (number);
	cout << number << endl;
Output:	6
'	5
Code:	// (all by Reference Method lode:
	#include & iastrom > & 5 - INE
	Using namespace std;
	void increment (int & num) {
<u> </u>	Num ++;
	cout << num << endl;
	}
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Conclusion:

By understanding the difference between the two methods of passing parameters that is "Call by value" & "Call by reference", we choose the appropriate parameter passing method based on the specific tequirements & functionality needed in a C++ program

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	int main () {
	int number = 5;
	increment (number);
	Cout << number << endl;
	return 0;
	}
Output:	6
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Conclusion	By understanding the difference between the
CO INCI MONE	two methods of passing parameters that is "(all by reference", we choose
	the appropriate parameter passing method based
	on the specific requirements & tunctionality needed
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