

| **Name:** | BARI ANKIT VINOD |
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| **Roll No:** | 65 |
| **Class/Sem:** | SE/IV |
| **Experiment No.:** | 10 |
| **Title:** | Program for printing the string using procedure and macro. |
| **Date of Performance:** |  |
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| **Marks:** |  |
| **Sign of Faculty:** |  |

**Aim:** Program for printing the string using procedure and macro.

**Theory:**

**Procedures:-**

• Procedures are used for large group of instructions to be repeated.

• Object code generated only once. Length of the object file is less the memory

• CALL and RET instructions are used to call procedure and return from procedure.

• More time required for its execution.

• Procedure Can be defined as:

Procedure\_name PROC

……

……

Procedure\_name ENDP

Example:

Addition PROC near

……

……

Addition ENDP

**Macro:-**

• Macro is used for small group of instructions to be repeated.

• Object code is generated every time the macro is called.

• Object file becomes very lengthy.



• Macro can be called just by writing.

• Directives MACRO and ENDM are used for defining macro.

• Less time required for its execution.

• Macro can be defined as:

Macro\_name MACRO [Argument, .... , Argument N]

......

......

ENDM

Example:-

Display MACRO msg

.....

.....

ENDM

Code :

Output :

**Conclusion:**

Thus, the program for printing the string is successfully implemented using procedure and macro.

1. Differentiate between procedure and macros.
2. Explain CALL and RET instructions.



