**OUTPUT:**

INTERMEDIATE CODE GENERATION

Enter the Expression: w:a\*b+c/d-e/f+g\*h

The intermediate code: Expression

Z := c/d w:a\*b+Z-e/f+g\*h

Y := e/f w:a\*b+Z-Y+g\*h

X := a\*b w:X+Z-Y+g\*h

W := g\*h w:X+Z-Y+W

V := X+Z w:V-Y+W

U := Y+W w:V-U

T := V-U w:T

w := T

**OUTPUT:**

Enter the set of intermediate code (terminated by exit):

t=a+b

x=t

exit

target code generation

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Mov a,R0

ADD b,R0

Mov R0,t

Mov t,R1

ADD b,R1

Mov R1,x

**OUTPUT:**

DIRECTED ACYCLIC GRAPH

0->3;

1->3;

0->6;

1->5;

3->8;

**OUTPUT:**

Implementation Of Stack

Main Menu

1.Push

2.Pop

3.Display

4.exit

Enter Your Choice 1

Enter The item to be pushed 10

Do You want To Continue?y

Main Menu

1.Push

2.Pop

3.Display

4.exit

Enter Your Choice 1

Enter The item to be pushed 20

Do You want To Continue?y

Main Menu

1.Push

2.Pop

3.Display

4.exit

Enter Your Choice1

Enter The item to be pushed 30

Do You want To Continue?y

Main Menu

1.Push

2.Pop

3.Display

4.exit

Do You want To Continue?y

Main Menu

1.Push

2.Pop

3.Display

4.exit

Enter Your Choice 2

The popped element is 30

Do You want To Continue?y

Main Menu

1.Push

2.Pop

3.Display

4.exit

Enter Your Choice3

20

10

Do You want To Continue?n