

Experiment no – 03(a)

Aim: Write a program in C to check entered character vowel or consonant.

Code:

```
#include <stdio.h>

int main() {
    char c;
    printf("01-AlstonAlvares.");
    int lowercase_vowel, uppercase_vowel;
    printf("Enter an alphabet: ");
    scanf("%c", &c);

    // evaluates to 1 if variable c is a lowercase vowel
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');

    // evaluates to 1 if variable c is a uppercase vowel
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');

    // evaluates to 1 (true) if c is a vowel
    if (lowercase_vowel || uppercase_vowel)
        printf("%c is a vowel.", c);
    else
        printf("%c is a consonant.", c);
    return 0;
}
```

Output:

```
01-AlstonAlvares.Enter an alphabet: a
a is a vowel.

...Program finished with exit code 0
Press ENTER to exit console.□
```

Experiment no – 03(b)

Aim: Write a program to C program to print day name of week using switch-case.

Code:

```
#include <stdio.h>

int main()
{ printf("OI-AlstonAlvares.");

    int week;

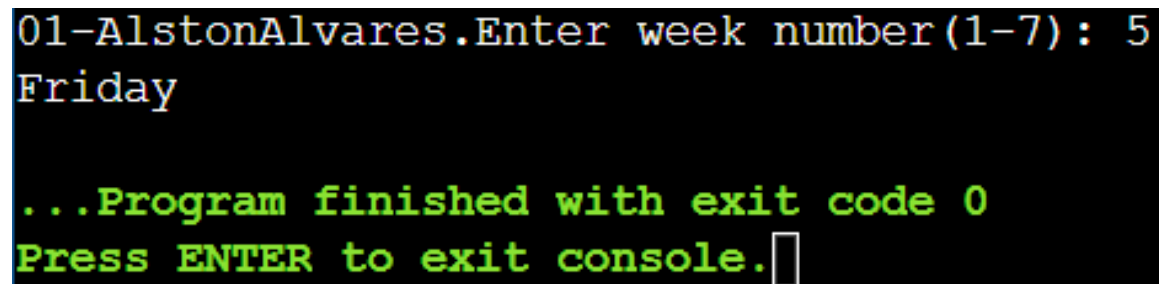
    /* Input week number from user */
    printf("Enter week number(1-7): ");
    scanf("%d", &week);

    switch(week)
    {
        case 1:
            printf("Monday");
            break;
        case 2:
            printf("Tuesday");
            break;
        case 3:
            printf("Wednesday");
            break;
        case 4:
            printf("Thursday");
            break;
        case 5:
            printf("Friday");
            break;
```

```
case 6:
    printf("Saturday");
    break;
case 7:
    printf("Sunday");
    break;
default:
    printf("Invalid input! Please enter week number between 1-7.");
}

return 0;
}
```

Output:

A screenshot of a terminal window with a black background. The text is displayed in a monospaced font. The first line is '01-AlstonAlvares.Enter week number(1-7): 5' in a light blue/cyan color. The second line is 'Friday' in the same color. The third line is '...Program finished with exit code 0' in a bright green color. The fourth line is 'Press ENTER to exit console.' in the same bright green color, followed by a white cursor box.

```
01-AlstonAlvares.Enter week number(1-7): 5
Friday

...Program finished with exit code 0
Press ENTER to exit console. 
```

Experiment no – 03(c)

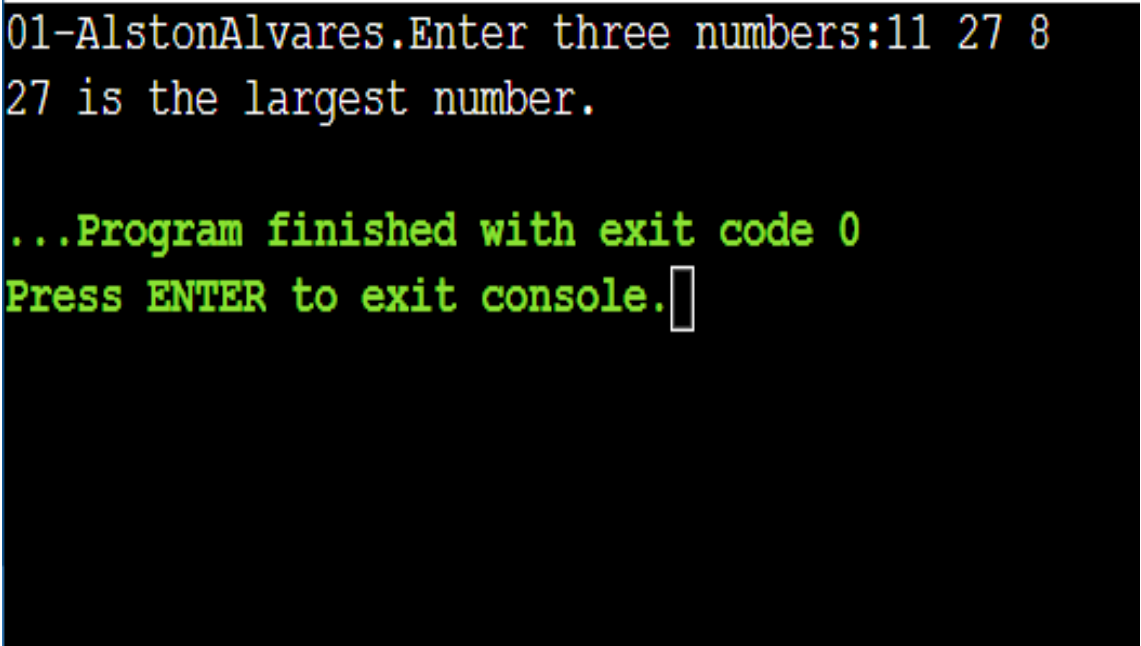
Aim: Write a program to read three values from keyboard and print out the largest of them without using if statement.

Code:

```
#include<stdio.h>

int main()
{ printf("01-AlstonAlvares.");
  int N1, N2, N3, Irg;
  printf("Enter three numbers:");
  scanf("%d %d %d", &N1, &N2, &N3);
  Irg = N1 > N2 ? (N1 > N3 ? N1 : N3) : (N2 > N3 ? N2 : N3);
  printf("%d is the largest number.",Irg);
  return 0;
}
```

Output:



```
01-AlstonAlvares.Enter three numbers:11 27 8
27 is the largest number.

...Program finished with exit code 0
Press ENTER to exit console.█
```