

C library Macro - EDOM

Description

As mentioned above, the C library macro **EDOM** represents a domain error, which occurs if an input argument is outside the domain, over which the mathematical function is defined and `errno` is set to EDOM.

Declaration

Following is the declaration for EDOM Macro.

```
#define EDOM some_value
```

Parameters

- **NA**

Return Value

- **NA**

Example

The following example shows the usage of EDOM Macro.

```
#include <stdio.h>
#include <errno.h>
#include <math.h>

int main () {
    double val;

    errno = 0;
    val = sqrt(-10);

    if(errno == EDOM) {
        printf("Invalid value \n");
    } else {
        printf("Valid value\n");
    }

    errno = 0;
    val = sqrt(10);
```

```
if(errno == EDOM) {  
    printf("Invalid value\n");  
} else {  
    printf("Valid value\n");  
}  
  
return(0);  
}
```

Let us compile and run the above program that will produce the following result –

```
Invalid value  
Valid value
```