

PF LAB 5 TASKS:

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TASK 1:

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

```
int main(){
```

```
    int a,b,result;
```

```
    printf("Enter Number 1: ");
```

```
    scanf("%d",&a);
```

```
    printf("Enter Number 2: ");
```

```
    scanf("%d",&b);
```

```
    printf("Fiirst the operation in brackets will be executed: %d ", (a-b));
```

```
    printf("\nSecond it will multiply the answer from bracket with b: %d", b*(a-b));
```

```
    printf("\nThird it will divide the answer from second step will be divided by 2: %d", b*(a-b)/2);
```

```
    printf("\nAt the last the answer feom the third step will be added with a: %d", a+b*(a-b)/2);
```

```
    return 0; }
```

```
Enter Number 1: 5
Enter Number 2: 3
Fiirst the operation in brackets will be executed: 2
Second it will multiply the answer from bracket with b: 6
Third it will divide the answer from second step will be divided by 2: 3
At the last the answer feom the third step will be added with a: 8
-----
```

TASK 2:

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

```
int main(){
```

```
    int x,y,result;
```

```
    printf("Enter Number 1: ");
```

```
    scanf("%d",&x);
```

```
    printf("Enter Number 2: ");
```

```
    scanf("%d",&y);
```

```
    result = (x>5) && (y<10);
```

```
    printf("%d",result);
```

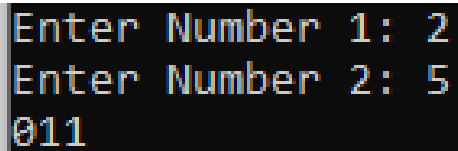
```
    result = (x==10) || (y==5);
```

```
    printf("%d",result);
```

```
    result = !(x==y);
```

```
    printf("%d",result);
```

```
}
```



```
Enter Number 1: 2
Enter Number 2: 5
011
```

TASK 3:

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

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

```
int main(){
```

```
    float x;
```

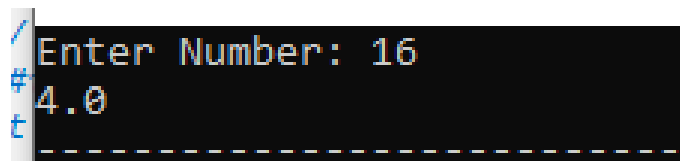
```
    printf("Enter Number: ");
```

```
    scanf("%f",&x);
```

```
    sqrt(x);
```

```
    printf("%.1f",sqrt(x));
```

```
}
```

A terminal window with a black background and white text. The prompt character is a blue hash symbol. The user has entered '16' in response to the 'Enter Number:' prompt. The program has outputted '4.0'.

```
Enter Number: 16
4.0
```

TASK 4:

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

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

```
int main(){
```

```
    int m,n;
```

```
    printf("Enter Number 1: ");
```

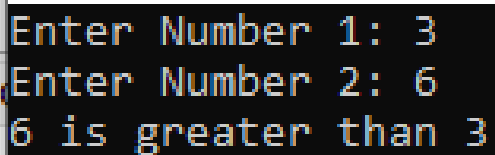
```
    scanf("%d",&m);
```

```
    printf("Enter Number 2: ");
```

```
    scanf("%d",&n);
```

```
    (m>n) ? printf("%d is greater than %d",m,n) : printf("%d is greater than  
%d ",n,m);
```

```
    return 0;
```



```
Enter Number 1: 3  
Enter Number 2: 6  
6 is greater than 3
```