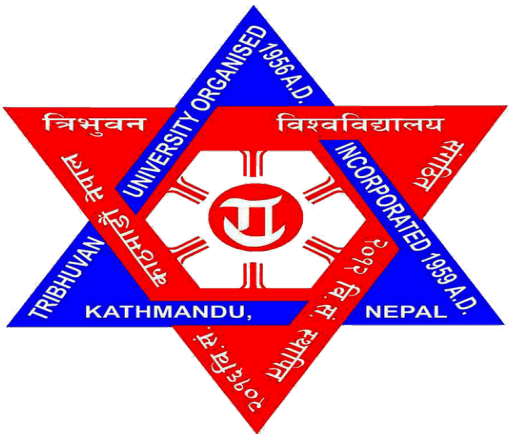


Tribhuvan University
Institute of Engineering
Purwanchal Campus, Dharan

C-Programming Lab Report

Prepared by:- Nigam Yadav

LAB SHEET NO.4 [To be familiar with Unformatted and Formatted I/0]

1. WAP to get your name, address and display using unformatted I/O.

Code:

```c
#include<stdio.h>
int main()
{
    int a[100],b[80];
    printf("Enter your name:");
    gets(a);
    printf("Enter your address:");
    gets(b);
    printf("Your name is ");
    puts(a);
    printf("Your address is ");
    puts(b);
    return 0;

}
```

Output:

```
Enter your name:Nigam Yadav
Enter your address:Dharan
Your name is Nigam Yadav
Your address is Dharan
nigam@Nigams-MacBook-Pro lap report of C %
```

2. WAP to get a character from the user using unformatted I/O and display the ASCII value of the entered character.

Code:

```c
#include<stdio.h>
int main()
{
    char a;
    printf("Enter a character:");
    a= getchar();
    printf("The entered character is ");
    putchar(a);
    printf("\nThe ASCII value is %d",a);
    return 0;
}
```

Output:

```
cd "/Users/nigam/Downloads/lap report of C/" && gcc Untitled-1.c -o Untitled-1 && "/Users/nigam/Downloads/lap report of C/"Untitled-1
nigam@Nigams-MacBook-Pro lap report of C % cd "/Users/nigam/Downloads/lap report of C/" && gcc Untitled-1.c -o Untitled-1 && "/Users/nigam/
Downloads/lap report of C/"Untitled-1
Enter a character:n
The entered character is n
The ASCII value is 110
nigam@Nigams-MacBook-Pro lap report of C %
```

3. WAP to display the output as [take a=15, b=20.43, c=35]:

A= 15|15 | 15|15 | 15|15 | 15|15 | 15|15 |

B= 20.43|20.43| 20.43|20.43 | 20.43|20.43 | 20.43|20.43 | 20.43|20.43 |

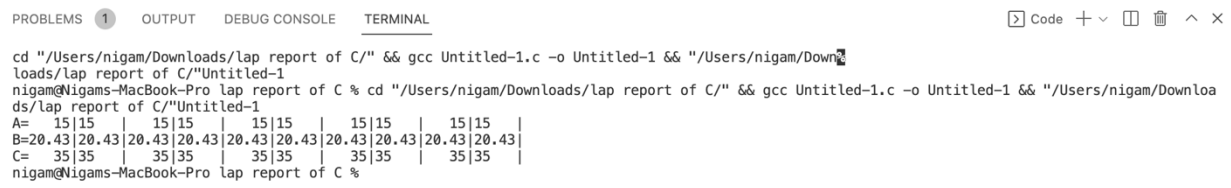
C= 35|35 | 35|35 | 35|35 | 35|35 | 35|35 |

Code:

```
#include<stdio.h>
int main()
{
    int a=15,c=35,A,B,C;
    float b=20.43;
    printf("A=%5d|%-5d|%5d|%-5d|%5d|%-5d|%5d|%-5d|%5d|%-
5d|\n",a,a,a,a,a,a,a,a,a,a);
    printf("B=%5.2f|%-5.2f|%5.2f|%-5.2f|%5.2f|%-5.2f|%5.2f|%-5.2f|%5.2f|%-
5.2f|\n",b,b,b,b,b,b,b,b,b,b);
    printf("C=%5d|%-5d|%5d|%-5d|%5d|%-5d|%5d|%-5d|%5d|%-
5d|\n",c,c,c,c,c,c,c,c,c,c);
    return 0;

}
```

Output:



4. WAP to display the output as below using formatted I/O [take char a[] =”I Love Nepal”].

I
I L
I LO
I LOV
I LOVE
I LOVE N
I LOVE NE
I LOVE NEP
I LOVE NEPA
I LOVE NEPAL

Code:

```c
#include <stdio.h>
int main()
{
   char a[]="I LOVE NEPAL";
   printf("%.s\n",a);
   printf("%.3s\n",a);
   printf("%.4s\n",a);
   printf("%.5s\n",a);
   printf("%.6s\n",a);
   printf("%.7s\n",a);
   printf("%.8s\n",a);
   printf("%.9s\n",a);
   printf("%.10s\n",a);
   printf("%.11s\n",a);
   printf("%.12s\n",a);

   return 0;
}
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL                                                    Code

cd "/Users/nigam/Downloads/lap report of C/" && gcc Untitled-1.c -o Untitled-1 && "/Users/nigam/Downloads/lap report of C/"Untitled-1
nigam@Nigams-MacBook-Pro lap report of C % cd "/Users/nigam/Downloads/lap report of C/" && gcc Untitled-1.c -o Untitled-1 && "/Users/nigam/Downloa
ds/lap report of C/"Untitled-1

I L
I LO
I LOV
I LOVE
I LOVE
I LOVE N
I LOVE NE
I LOVE NEP
I LOVE NEPA
I LOVE NEPAL
nigam@Nigams-MacBook-Pro lap report of C %
```