

◦ C Language Live Community classes :-

* Assignment -4 *

- 1.) write a program to print Hello Students on the screen.

```
#include <stdio.h>
#include <conio.h>
int main()
{
    printf("Hello Students");
    getch();
}
```

- 2.) write a C program to print Hello on the first line, and Students in the second line.

```
#include <stdio.h>
#include <conio.h>
int main()
{
    printf("Hello\nStudents");
    getch();
}
```


3) write a c program to print "mysing" on the screen.

```
#include <stdio.h>
#include <conio.h>
int main()
{
    printf("\nmysing");
    getch();
}
```

4) write a c program to print "Teacher's Day" on the screen.

```
#include <stdio.h>
#include <conio.h>
int main()
{
    printf("\nTeacher's Day");
    getch();
}
```

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```
#include <stdio.h>
#include <conio.h>
int main()
{
    printf("\nTeacher's Day");
    getch();
}
```


5.)

write a C program to print **ln** on the screen.

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

```
#include <conio.h>
```

```
int main()
```

```
{
```

```
    printf("\n");
```

```
    getch();
```

```
}
```

6.)

write a C program to print **%d** on the screen.

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

```
#include <conio.h>
```

```
int main()
```

```
{
```

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

```
    getch();
```

```
}
```

7.)

write a C program containing declaration of three variables (of type int, char and float), also assign some values to them and printf values of all three variables using single printf().

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

```
#include <conio.h>
```

```
int main()
```

```
{
```



```

int x = 5;
char y = 'C';
float z = 5.5;
printf("%d %c %f", x, y, z);
getch();
}

```

- (8.) Explore following format specifiers on internet — %i, %g, %lf
 %i used for a decimal integer
 %g used for print the decimal floating-point values.
 %lf used for a double.

- (9.) write a c program to print character stored in a char variable, also print its ASCII code.

```

#include <stdio.h>
#include <conio.h>
int main()
{
    char c = 'A';
    printf("%c\n", c);
    printf("%d\n", c);
    getch();
}

```


10) How to convert a decimal number into a Binary number and vice versa.

Ans - The way to convert a decimal number into a binary number :-

- (i) we divide the decimal number by 2.
- (ii) After it, we record the remainder as 0 or 1.
- (iii) Then, we divide the quotient by 2 and repeat step 2 until the quotient becomes 0.
- (iv) In Last, the binary number is the sequence of remainders in reverse order.