Input and output in C Language

1. Write a program to print Hello Students on the screen.

```c
#include<stdio.h>
int main()
{
    printf("Hello Students");
    return 0;
}
```

2. Write a program to print Hello in the first line and Students in the second line.

```c
#include<stdio.h>
int main()
{
    printf("Hello\nstudents");
    return 0;
}
```

3. Write a program to print "MySirG" on the screen. (Remember to print in double quotes)

```c
#include<stdio.h>
int main()
{
    printf("\"MySirG\"");
    return 0;
}
```

```c
#include<stdio.h>>
int main()
{
    float r;
    printf("Enter Radius: ");
    scanf("%f",&r);
    printf("Area of circle is %f having the radius %f",3.14*r*r,r);
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    int l;
    l = printf("ABC");
    printf("\nLength of \"ABC\" is : %d",l);
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    printf("\"Hello , Amit Kumar\"");
```

```c
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    printf("\"%%d\"");
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    printf("\"\\n\"");
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    printf("\"\\");
    printf("\\\"");
    return 0;
}
```

Output format –

"Day – DD , Month – MM , Year – YYYY" (Day – 27 ,Month – 07 , Year
– 2022)

```c
#include<stdio.h>
int main()
{
    int a, b, c;
    printf("Enter Date: ");
    scanf("%d/%d/%d",&a,&b,&c);
    printf("Day - %d , Month - %d, Year - %d",a,b,c);
    return 0;
}
```

11. WAP to take time as an input in below given format and convert
the time format and display the result as given below.
User Input date format – "HH:MM"
Output format – "HH hour and MM Minute"
Example –
"11:25" converted to "11 Hour and 25 Minute"

```c
#include<stdio.h>
int main()
{
    int a, b;
    printf("Enter Date: ");
    scanf("%d:%d",&a,&b);
    printf("%d Hour and %d Minute", a,b);
    return 0;
}
```

12. Find output of below code:
```c
int main()
{
```

```
int x = printf("ineuron");
printf("%d",x);
return 0;
}


Error:

main.c: In function 'main':
main.c:4:9: warning: implicit declaration of function 'printf'
[-Wimplicit-function-declaration]
    4 |  int x = printf("ineuron");
      |          ^~~~~~
main.c:4:9: warning: incompatible implicit declaration of built-in
function 'printf'
main.c:1:1: note: include '<stdio.h>' or provide a declaration of
'printf'
  +++ |+#include <stdio.h>
    1 |
main.c:4:16: error: stray '\342' in program
    4 |  int x = printf("ineuron");
      |                 ^
main.c:4:17: error: stray '\200' in program
    4 |  int x = printf("ineuron");
      |                  ^
main.c:4:18: error: stray '\234' in program
    4 |  int x = printf("ineuron");
      |                   ^
main.c:4:26: error: stray '\342' in program
    4 |  int x = printf("ineuron");
      |                          ^
main.c:4:27: error: stray '\200' in program
    4 |  int x = printf("ineuron");
      |                           ^
main.c:4:28: error: stray '\235' in program
    4 |  int x = printf("ineuron");
      |                            ^
```

```
main.c:4:19: error: 'ineuron' undeclared (first use in this
function)
    4 | int x = printf("ineuron");
      |                         ^~~~~~~
main.c:4:19: note: each undeclared identifier is reported only
once for each function it appears in
main.c:5:8: error: stray '\342' in program
    5 | printf("%d",x);
      |          ^
main.c:5:9: error: stray '\200' in program
    5 | printf("%d",x);
      |           ^
main.c:5:10: error: stray '\234' in program
    5 | printf("%d",x);
      |            ^
main.c:5:11: error: expected expression before '%' token
    5 | printf("%d",x);
      |             ^
main.c:5:13: error: stray '\342' in program
    5 | printf("%d",x);
      |               ^
main.c:5:14: error: stray '\200' in program
    5 | printf("%d",x);
      |                ^
main.c:5:15: error: stray '\235' in program
    5 | printf("%d",x);
      |                 ^
```