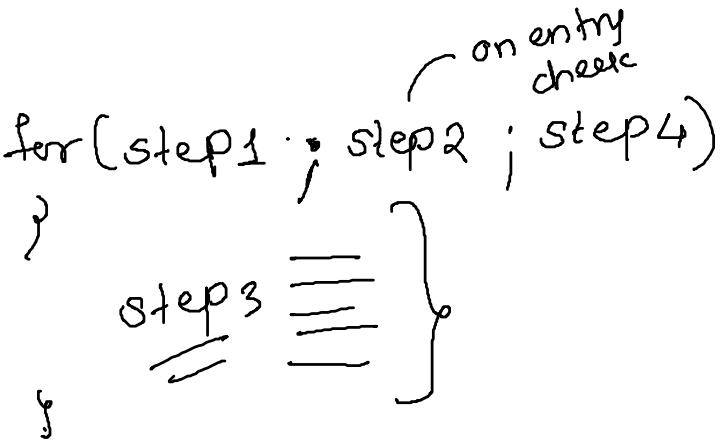
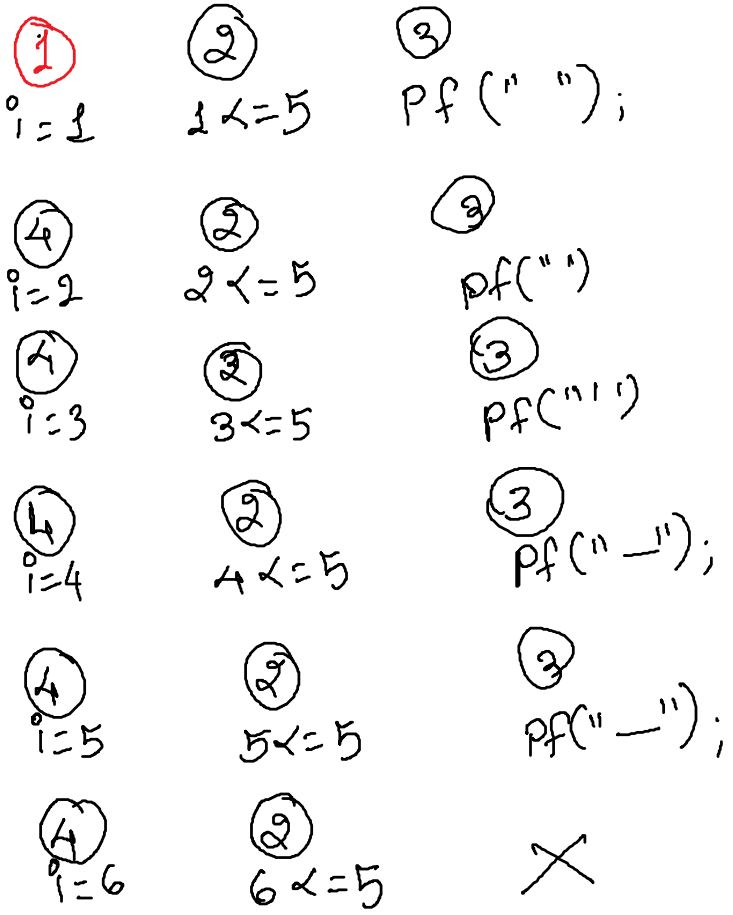
Tuesday, March 21, 2023 2:00 PM

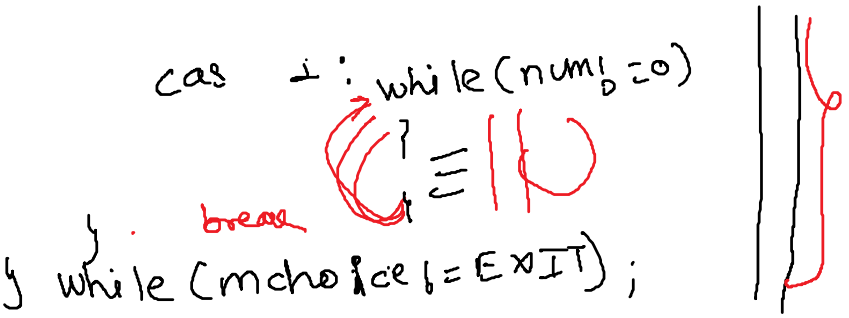
# For loop
# Nested Loop
# User defined Function

```c
for(i=1; i<=5 ; i++)
    {
        printf("Inside loop\n");
    }
```




1)


case 1: while(num!=0)
{
}
break
} while(mchoice!=EXIT);

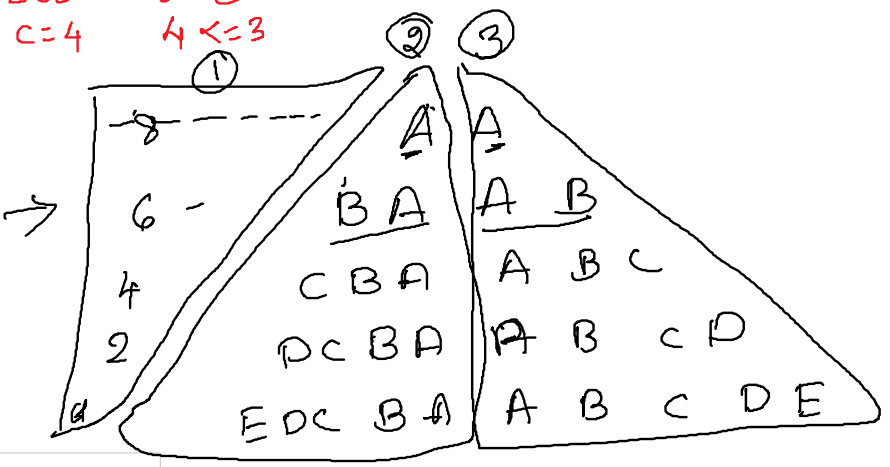
```c
int main()
{
    int r,c;
    for(r=1;r<=5;r++)
    {
        for(c=1;c<=r;c++)
        {
            printf("%c",'A');
        }
        printf("\n");
    }
}
```

r=1 1<=5
c=1 1<=1
c=2 2<=1

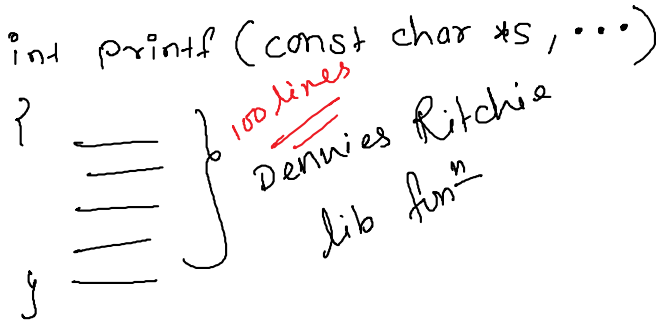
r=2 2<=5
c=1 1<=2
c=2 2<=2
c=3 3<=2

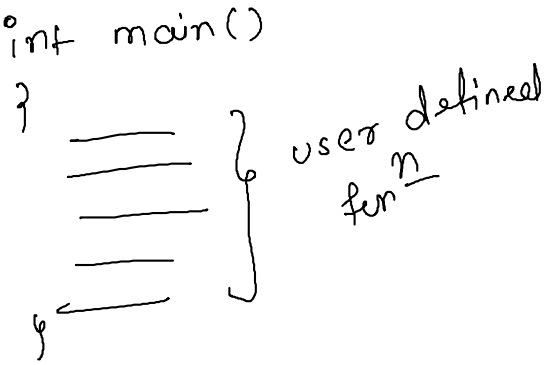
r=3 3<=5
c=1 1<=3
c=2 2<=3
c=3 3<=3
c=4 4<=3

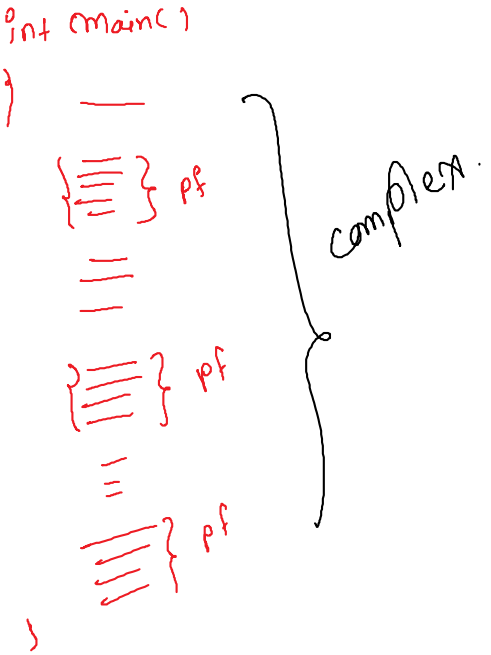
```
A
A A
A A A
```

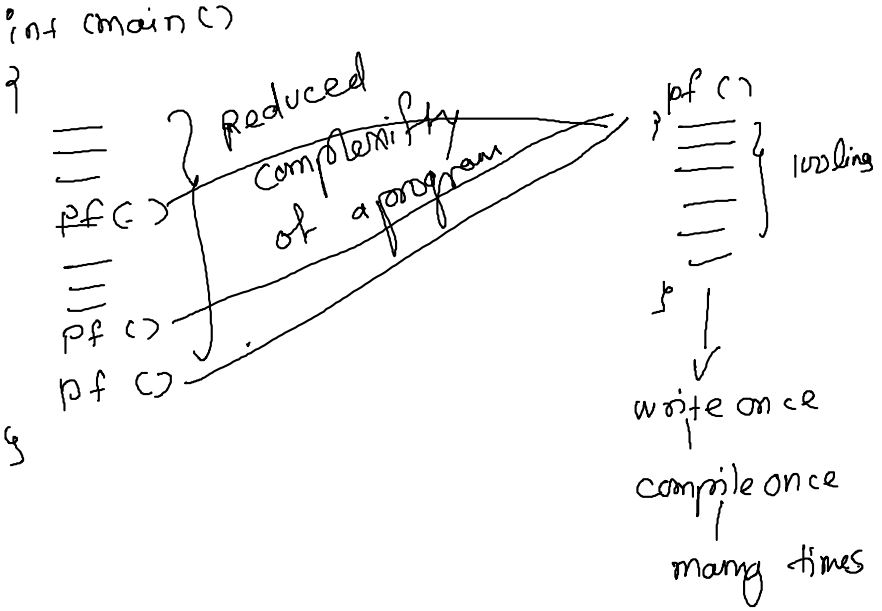


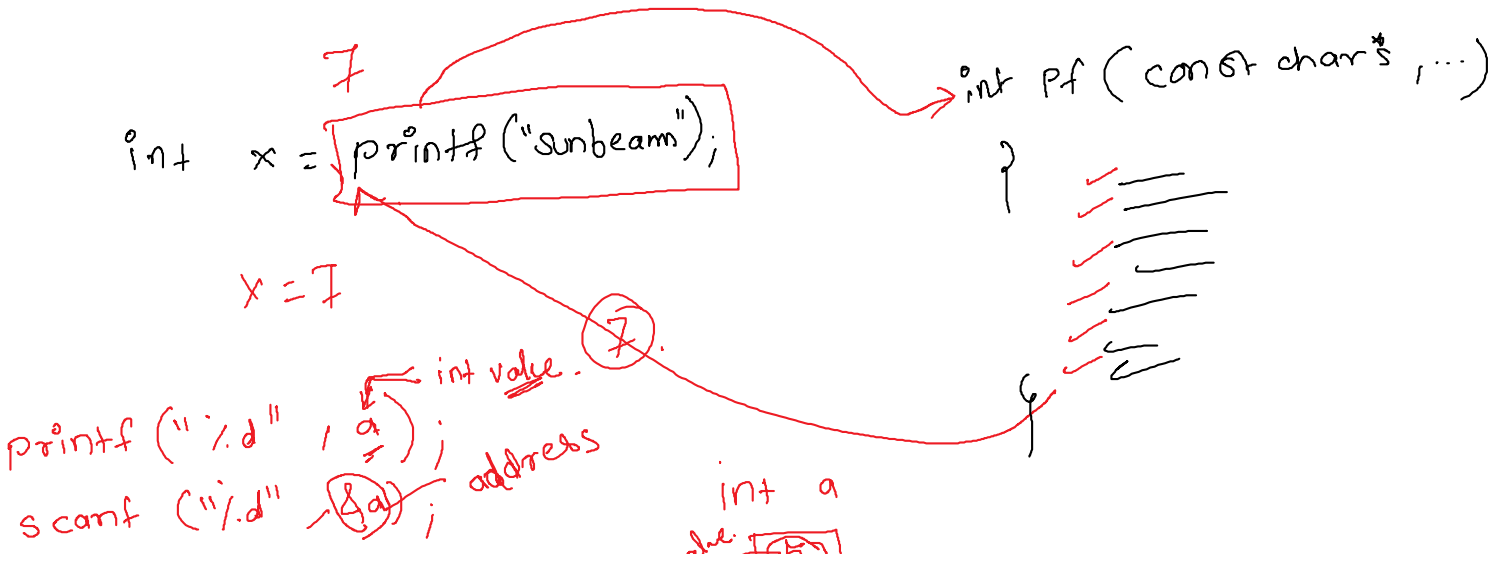
Function :


int printf (const char *s, ...)
100 lines
Dennies Ritchie
lib fun^n

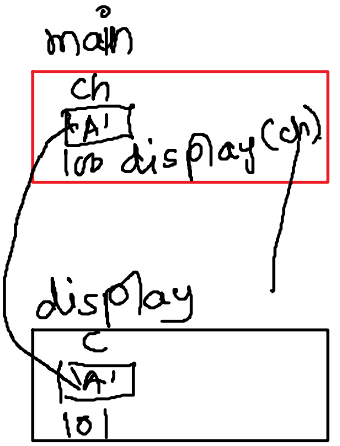

int main()
user defined
fun^n


int main()
pf
pf
pf
complex.


int main()
pf()
pf()
pf()
Reduced
complexity
of a program
pf()
looping
write once
compile once
many times


int x = printf ("sunbeam");
7
X = 7
int pf (const char *s, ...)
7
printf ("%d", a);
scanf ("%d", &a);
int value.
address
int a


scanf ("%d" &a) ; addr
int a
invalue
5
100
address




```
int main()
{
    char ch;
    //accept
    ch = accept(); //call to function //as
function return value catch in some location
    display(ch);//ch here is called as actual
argument which is passed by value
}//calling funtion
display(char c)
{

}
```