DOKUZ EYLUL UNIVERCITY

Faculty of Engineering

Electrical and Electronics Engineering

EED 1005 Introduction to Programming **Laboratoary#6**

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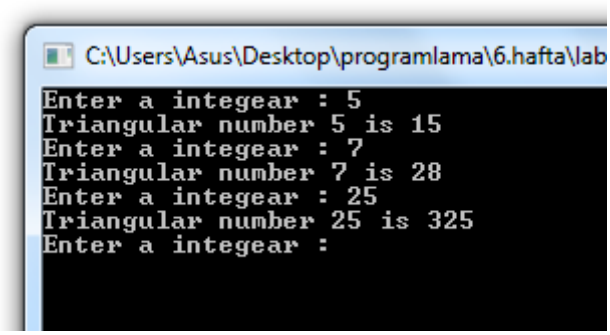
Laboratoary Work:

Task 1:

```
#include<stdio.h>
int triangular_number(int n){
        int results;
        results=(n*(n+1))/2;
        return results;   }
int main(){
        int a,i=1;
        while(i==1)    {
        printf("Enter a integear : "); scanf("%d",&a);
        printf("Triangular number %d is %d \n\a",a,triangular_number(a));      }
        return 0;      }
```



Task 2:

```
#include<stdio.h>
int fact(int b){
        int i,result1=1;
        for(i=1;i<=b;i++){
                result1=result1*i;      }
        return result1;  }
void function_binomial(int n)  {
        int C,r,i,x,j;
        for(i=0;i<=n;i++){
        x=n-i;
                for(j=1;j<=x;j++){
                                printf("    ");    }
                  for(r=0;r<=i;r++) {
                C=fact(i)/(fact(r)*fact((i-r)));
                  printf("%d      ",C);  }
        printf("\n");  }  }
int main() {
        int a,i=1;
        while(i==1){
                printf("Enter a integear number:"); scanf("%d",&a);
                function_binomial(a);   }  }
```