**Assignment no 8**

1)

#include<stdio.h>

void main()

{

int sum=0,n,rem;

printf("enter the number");

scanf("%d",&n);

while(n!=0)

{

rem=n%10;

sum=sum+rem;

n=n/10;

}

printf("the sum of the given digit %d is %d",n,sum);

getch();

}

3)

#include<stdio.h>

void main()

{

int rev=0,n,rem,temp;

printf("enter the number");

scanf("%d",&n);

temp=n;

while(n!=0)

{

rem=n%10;

rev=rev\*10+rem;

n=n/10;

}

if(temp==rev)

{

printf("given number is palindrome");

}

else

{

printf("given number is not palindrome");

}

getch();

}

5)

#include<stdio.h>

void main()

{

int i,n,sum=0;

printf("enter the number\n");

scanf("%d",&n);

i=1;

do

{

printf("%4d",i);

sum=sum+i;

i++;

}

while(i<=n);

printf("\n\nsum=%d\n",sum);

getch();

}

6) A)

#include<stdio.h>

#include<conio.h>

void main()

{

int i,j;

for(i=0;i<=5;i++)

{

for(j=0;j<=i;j++)

{

printf("\*\t");

}

printf("\n");

}

getch();

}

b)

#include <stdio.h>

int main()

{

int i, j, rows;

for(i=1; i<=5; i++)

{

for(j=i; j<5; j++)

{

printf(" ");

}

for(j=1; j<=(2\*i-1); j++)

{

printf("\*");

}

printf("\n");

}

return 0;

}

7)

b)

#include <stdio.h>

int main()

{

int i, j;

for(i=1; i<=5; i++)

{

for(j=1; j<=5-i; j++)

{

printf(" ");

}

for(j=i; j>=1; j--)

{

printf("%d", j);

}

printf("\n");

}

return 0;

}

C) #include <stdio.h>

int main()

{

int i, j;

char input, alphabet = 'A';

printf("Enter the uppercase character you want to print in last row: ");

scanf("%c",&input);

for(i=1; i <= (input-'A'+1); ++i)

{

for(j=1;j<=i;++j)

{

printf("%c", alphabet);

}

++alphabet;

printf("\n");

}

return 0;

}