* **Name** : **Rushikesh Gaware**
* **WhatsApp Number** : **9662631201**
* **Email Id** :

[**gawarerishi@gmail.com**](mailto:gawarerishi@gmail.com)

\*\*PATTERN PROBLEMS\*\*

Q.1. Write a program to draw the following patterns:

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Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int i,j;

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

{

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

{

if(j<=i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

getch();

}

Q.2. Write a program to draw the following patterns:

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Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int i,j;

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

{

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

{

if(j>=6-i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

getch();

}

Q.3. Write a program to draw the following patterns:

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Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int i,j;

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

{

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

{

if(j<=6-i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

getch();

}

Q.4. Write a program to draw the following patterns:

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Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int i,j;

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

{

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

{

if(j>=i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

getch();

}

Q.5. Write a program to draw the following patterns:

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Ans:

#include<stdio.h>

int main()

{

int i,j;

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

{

for(j=1;j<=9;j++)

{

if(j>=6-i && j<=4+i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

return 0;

}

Q.6.Write A program To Draw The Following Pattern.

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Ans:

#include<stdio.h>

int main()

{

int i,j;

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

{

for(j=1;j<=9;j++)

{

if(j>=i && j<=10-i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

return 0;

}

Q.7.Write A Program To Draw The Following Pattern.

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Ans:

#include<stdio.h>

int main()

{

int i,j;

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

{

for(j=1;j<=10;j++)

{

if(j<=6-i || j>=5+i)

printf("\*");

else

printf(" ");

}

printf("\n");

}

return 0;

}

Q.8.Write A Program To Draw Following Pattern.

1

121

12321

1234321

Ans:

#include<stdio.h>

int main()

{

int i,j,k;

for(i=1;i<=4;i++)

{

for(j=1,k=1;j<=7;j++)

{

if(j>=5-i && j<=3+i)

{

if(j<=3)

printf("%d",k++);

else

printf("%d",k--);

}

else

printf(" ");

}

printf("\n");

}

return 0;

}

Q.9.Write A Program To Draw Following Pattern.

1234321

12321

121

1

Ans:

#include<stdio.h>

int main()

{

int i,j,k;

for(i=1;i<=4;i++)

{

for(j=1,k=1;j<=7;j++)

{

if(j>=i && j<=8-i)

{

if(j<=3)

{

printf("%d",k);

k++;

}else

{

printf("%d",k--);

}

}else

printf(" ");

}

printf("\n");

}

return 0;

}

Q.10. Write A Program To Draw A Following Pattern

1234321

123 321

12 21

1 1

Ans:

#include<stdio.h>

void main()

{

int i,j,k;

for(i=1;i<=4;i++)

{

for(j=1,k=1;j<=7;j++)

{

if(j<=5-i || j>=3+i)

{

if(j<4)

printf("%d",k++);

else if(j==4&&i==1)

printf("4");

else

printf("%d",--k);

}else

printf(" ");

}

printf("\n");

}

}

Q.11.Write A Program To Print Following Pattern.

A

ABA

ABCBA

ABCDCBA

ABCDEDCBA

Ans:

#include<stdio.h>

int main()

{

int i,j,k;

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

{

for(j=1,k='A';j<=9;j++)

{

if(j>=6-i && j<=4+i)

{

if(j<=4)

printf("%c",k++);

else

printf("%c",k--);

}else

printf(" ");

}

printf("\n");

}

return 0;

}