**OPERATING SYSTEM LAB TASK – 01**

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**QUESTION – 1**

**CODE:**

#include <stdio.h>

#include <conio.h>

int main()

{

float n1,n2,divi,mul;

printf("Enter 1st value: ");

scanf("%f", &n1);

printf("Enter 2nd value: ");

scanf("%f", &n2);

divi = n1/n2;

mul = n1\*n2;

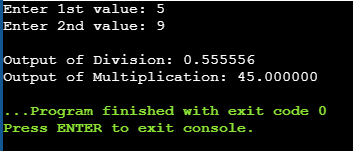
printf("\nOutput of Division: %f",divi);

printf("\nOutput of Multiplication: %f",mul);

return 0;

}

**OUTPUT:**



**QUESTION – 2**

**CODE:**

#include <stdio.h>

#include <conio.h>

int main()

{

printf("Output: \n\n");

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

{

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

{

printf(" ");

}

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

{

printf("\*");

}

printf("\n");

}

return 0;

}

**OUTPUT:**



**QUESTION – 3**

**CODE:**

{

int a[20][20], b[20][20], c[20][20], m[20][20];

int r1, c1, r2, c2, i, j, k;

printf("Enter order of 1st Matrix: ");

scanf("%d %d", &r1, &c1);

printf("Enter order of 2nd Matrix: ");

scanf("%d %d", &r2, &c2);

printf("Enter elements of 1st Matrix: ");

for(i=0; i<r1; i++)

{

for(j=0; j<c1; j++)

{

scanf("%d", &a[i][j]);

}

}

printf("Enter elements of 2nd Matrix: ");

for(i=0; i<r2; i++)

{

for(j=0; j<c2; j++)

{

scanf("%d", &b[i][j]);

}

}

for(i=0; i<r1;i++)

{

for(j=0; j<c2; j++)

{

m[i][j] = 0;

for(k=0; k<r2; k++)

{

c[i][j]=c[i][j] + a[i][k] \* b[k][j];

}

}

}

printf("Resultant Matrix:\n");

for(i=0; i<r1; i++)

{

for(j=0; j<c2; j++)

{

printf(" %d\t", c[i][j]);

}

printf("\n");

}

}

**OUTPUT:**

