**Practical 01**

**Q.1**

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("Name-Methum\n");

printf("School name-Royal College");

return 0;

}

**Q.2**

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("\*\n");

printf("\*\*\n");

printf("\*\*\*\n");

printf("\*\*\*\*\n");

printf("\*\*\*\*\*\n");

return 0;

}

**Q.3**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int num1;

float num2;

double num3;

char abc[15];

printf("Enter an integer value- ");

scanf("%d",&num1);

printf("Enter the float value- ");

scanf("%f",&num2);

printf("Enter the double value- ");

scanf("%lf",&num3);

printf("Enter the char value- ");

scanf("%s",&abc);

printf("\n\nYour integer value is- %d\n",num1);

printf("Your float value is- %f\n",num2);

printf("Your double value is- %lf\n",num3);

printf("Your char value is- %s\n",abc);

}

**Q.4**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int no1,no2,tot;

printf("Enter the first number-");

scanf("%d",&no1);

printf("Enter the second number-");

scanf("%d",&no2);

tot=no1+no2;

printf("\nTotal is-%d",tot);

return 0;

}

**Q.5**

#include <stdio.h>

#include <stdlib.h>

int main()

{

float no1,no2,avg;

printf("Enter the first number- ");

scanf("%f",&no1);

printf("Enter the second number- ");

scanf("%f",&no2);

avg=(no1+no2)/2;

printf("\nAvarage is- %.2f \n",avg);

return 0;

}

**Q.6**

#include <stdio.h>

#include <stdlib.h>

int main()

{

char name[10];

int byear,age;

printf("Enter the student name- ");

scanf("%s",&name);

printf("Enter the student birth year- ");

scanf("%d",&byear);

age=2023-byear;

printf("\nYour name is- %s",name);

printf("\nYour age is- %d\n",age);

return 0;

}

**Q.7**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int num1,num2,temp;

printf("Enter the first number:- ");

scanf("%d",&num1);

printf("Enter the second number:- ");

scanf("%d",&num2);

printf("\n\nBefore swap:- \nnum1= %d, num2= %d\n", num1, num2);

temp = num1;

num1 = num2;

num2 = temp;

printf("\nAfter swap:- \nnum1= %d, num2= %d\n", num1, num2);

}