#include <stdio.h>

int main()

{

    int numint1, numint2, resultint;

    float numfloat1, numfloat2, resultfloat;

    double numdouble1, numdouble2, resultdouble;

    printf("Enter INTEGER number\n");

    scanf("%d %d", &numint1, &numint2);

    printf("\nEnter FLOAT number\n");

    scanf("%f %f", &numfloat1, &numfloat2);

    printf("\nEnter DOUBLE number\n");

    scanf("%lf %lf", &numdouble1, &numdouble2);

    int val;

        printf("Enter:\n 1-addition \n 2-Substraction \n 3- Division \n 4-Multiplication \n 5-Modulus\n");

        scanf("%d", &val);

        switch (val)

        {

        case 1:

            resultint = numint1 + numint2;

            resultfloat = numfloat1 + numfloat2;

            resultdouble = numdouble1 + numdouble2;

            printf(" SUM OF INTEGER %d\n", resultint);

            printf(" SUM OF FLOAT %0.3f\n", resultfloat);

            printf(" SUM OF DOUBLE %lf\n", resultdouble);

            break;

        case 2:

            resultint = numint1 - numint2;

            resultfloat = numfloat1 - numfloat2;

            resultdouble = numdouble1 - numdouble2;

            printf(" SUBTRACTION OF INTEGERS %d\n", resultint);

            printf(" SUBTRACTION OF FLOAT %0.3f\n", resultfloat);

            printf(" SUBTRACTION of double %lf\n", resultdouble);

            break;

        case 3:

            resultint = numint1 / numint2;

            resultfloat = numfloat1 / numfloat2;

            resultdouble = numdouble1 / numdouble2;

            printf(" DIVIDE OF INTEFER%d \n", resultint);

            printf(" DIVIDE OF FLOAT%0.3f\n", resultfloat);

            printf(" DIVIDE OF DOUBLE%lf\n", resultdouble);

               break;

        case 4:

            resultint = numint1 \* numint2;

            resultfloat = numfloat1 \* numfloat2;

            resultdouble = numdouble1 \* numdouble2;

            printf("MULTIPLICATION OF INTEGER%d\n", resultint);

            printf("MULTIPLICATION OF FLOAT%0.3f\n", resultfloat);

            printf("MULTIPLICATION OF DOUBLE%lf\n", resultdouble);

            break;

        case 5:

            resultint = numint1 % numint2;

            printf("MODULUS OF INTEGER%d", resultint);

        default:;

        }

        return 0;

        }