1.WAP a program to print general information about you.

main.c

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    printf("Name=Radhika Aggarwal");
    printf("\nSAP ID=590024216");
    printf("\nCourse= B.Tech");


    return 0;
}
```

Output

```
Name=Radhika Aggarwal
SAP ID=590024216
Course= B.Tech

=== Code Execution Successful ===
```

2.WAP a program to print the area and perimeter of circle.

Run

Output

entre the radius of circle2
Area of circleI is =12.560000
perimeter of circle 12.560000

=== Code Execution Successful ===

```c
1   // Online C compiler to run C program online
2   #include <stdio.h>
3
4 - int main() {
5       float r;
6       printf("entre the radius of circle");
7       scanf("%f",&r);
8
9       float A= 3.14*r*r;
10      float P=2*3.14*r;
11      printf("Area of circleI is =%f",A);
12      printf("\nperimeter of circle %f",P);
13
14      return 0;
15  }
```

3.WAP a program to convert the temperature from celcius to fahrenheit.

[Run]

Output

```c
1   // Online C compiler to run C program online
2   #include <stdio.h>
3
4   int main() {
5       float c;
6       printf("entre the temperature in c");
7       scanf("%f",&c);
8
9       float f= (9*c)/5+32;
10      printf("Temperature in farenheit is =%f",f);
11
12      return 0;
13  }
14
```

entre the temperature in c-40
Temperature in farenheit is =-40.000000

=== Code Execution Successful ===

4. WAP a program to calculate compound interest.

Run

Output

```c
1  // Online C compiler to run C program online
2  #include <stdio.h>
3  #include <math.h>
4
5  void main() {
6      float p,r,n;
7      printf("entre principal amt,rate of interest,and years");
8      scanf("%f%f%f",&p,&r,&n);
9      float ca=p*pow((1+(r/100)),n);
10     float ci=ca-p;
11
12
13     printf("calculated ci is=%f",ci);
14
15 }
```

entre principal amt,rate of interest,and years40000 12 2
calculated ci is=10176.000000

=== Code Exited With Errors ===

5. WAP a program to swap two numbers without using third variable.

main.c

Share Run

Output

```c
1  // Online C compiler to run C program online
2  #include <stdio.h>
3
4  void main() {
5      float num1,num2;
6      printf("entre two numbers");
7      scanf("%f%f",&num1,&num2);
8      num1=num1+num2;
9      num2=num1-num2;
10     num1=num1-num2;
11
12
13     printf("swap of two number %f",num1);
14     printf("\t %f",num2);
15
16 }
```

entre two numbers4 2
swap of two number 2.000000 4.000000

=== Code Exited With Errors ===

.WAP a program to swap two numbers using third variable.   [Run]

Output

```c
1   // Online C compiler to run C program online
2   #include <stdio.h>
3
4 · void main() {
5       float num1,num2,temp;
6       printf("entre two numbers");
7       scanf("%f%f",&num1,&num2);
8       temp=num1;
9       num1=num2;
10      num2=temp;
11
12
13      printf("swap of two number %f",num1);
14      printf("\t %f",num2);
15
16  }
```

entre two numbers4 2
swap of two number 2.000000 4.000000

=== Code Exited With Errors ===

main.c   Share   Run   **Output**

```c
1   // WAP to find the area and perimeter of rectangle.
2   #include <stdio.h>
3
4   int main() {
5       int l,b;
6       printf("enter the  length and breadth of rectangle");
7       scanf("%d%d",&l,&b);
8       int a=l*b;
9       int p=2*(l+b);
10      printf("area of rectangle %d",a);
11      printf("\nperimeter of rectangle %d",p);
12
13      return 0;
14  }
```

Output

enter the length and breadth of rectangle40 20
area of rectangle 800
perimeter of rectangle 120

=== Code Execution Successful ===

```c
// WAP to find the simple interest.
#include <stdio.h>

int main() {
    int p,r,t;
    printf("enter the  principal amt,rate of int and time");
    scanf("%d%d%d",&p,&r,&t);
    int SI=(p*r*t)/100;
    printf("simple interest is %d",SI);

    return 0;
}
```

```
enter the  principal amt,rate of int and time40000 12 2
simple interest is 9600

=== Code Execution Successful ===
```

```c
// WAP to find the basic mathematic calculation of two numbers.
#include <stdio.h>

int main() {
    int n1,n2,r1;
    float r2;
    printf("enter the numbers");
    scanf("%d%d",&n1,&n2);

    r1=n1+n2;
    printf("\nsum of numbers are %d",r1);
    r1=n1-n2;
    printf("\ndiff of numbers are %d",r1);
    r1=n1*n2;
    printf("\nproduct of numbers are%d",r1);
    r2=n1/n2;
    printf("\ndiv of numbers are%f",r2);

    return 0;
}
```

Output

```
enter the numbers40 20

sum of numbers are 60
diff of numbers are 20
product of numbers are800
div of numbers are2.000000

=== Code Execution Successful ===
```

main.c

[ ] (☾) ⋖° Share   **Run**

Output

```c
1   // WAP to find the sum of two numbers.
2   #include <stdio.h>
3
4 ▾ int main() {
5       int n1,n2,r1;
6       n1=12;
7       n2=10;
8       r1=n1+n2;
9       printf("sum of numbers are %d",r1);
10      return 0;
11  }
```

sum of numbers are 22

=== Code Execution Successful ===