

1. wap_to_demonstrate_int_float_char_datatype_accept_and_display

```
#include <stdio.h>
```

```
int main() {  
    int integerValue;  
    float floatValue;  
    char charValue;  
  
    printf("Enter an integer: ");  
    scanf("%d", &integerValue);  
    printf("Enter a float: ");  
    scanf("%f", &floatValue);  
    printf("Enter a character: ");  
    scanf(" %c", &charValue);  
  
    printf("Integer: %d\n", integerValue);  
    printf("Float: %.2f\n", floatValue);  
    printf("Character: %c\n", charValue);  
  
    return 0;  
}
```

2. wap_to_print_addition_of_2_numbers

```
#include <stdio.h>
```

```
int main() {
```

```
int a, b, sum;

printf("Enter two numbers: ");

scanf("%d %d", &a, &b);

sum = a + b;

printf("Sum: %d\n", sum);

return 0;

}
```

3. wap_to_calculate_average_of_3_numbers

```
#include <stdio.h>

int main() {

    float a, b, c, average;

    printf("Enter three numbers: ");

    scanf("%f %f %f", &a, &b, &c);

    average = (a + b + c) / 3;

    printf("Average: %.2f\n", average);

    return 0;

}
```

4. wap_to_calculate_simple_interest

```
#include <stdio.h>

int main() {

    float principal, rate, time, interest;

    printf("Enter principal, rate and time: ");

    scanf("%f %f %f", &principal, &rate, &time);
```

```
    interest = (principal * rate * time) / 100;
    printf("Simple Interest: %.2f\n", interest);
    return 0;
}
```

5. wap_to_swap_two_integer_values_using_third_variable

```
#include <stdio.h>

int main() {
    int a, b, temp;
    printf("Enter two integers: ");
    scanf("%d %d", &a, &b);
    temp = a;
    a = b;
    b = temp;
    printf("After swapping: a = %d, b = %d\n", a, b);
    return 0;
}
```

6. wap_to_swap_two_integer_values_without_using_third_variable

```
#include <stdio.h>

int main() {
    int a, b;
    printf("Enter two integers: ");
    scanf("%d %d", &a, &b);
    a = a + b;
```

```
b = a - b;
a = a - b;
printf("After swapping: a = %d, b = %d\n", a, b);
return 0;
}
```

7. wap_to_accept_a_character_and_print_it_with_its_ascii_value

```
#include <stdio.h>

int main() {
    char ch;
    printf("Enter a character: ");
    scanf(" %c", &ch);
    printf("Character: %c, ASCII value: %d\n", ch, (int)ch);
    return 0;
}
```

8. wap_to_accept_an_uppercase_character_and_print_its_lowercase

```
#include <stdio.h>

int main() {
    char ch;
    printf("Enter an uppercase character: ");
    scanf(" %c", &ch);
    printf("Lowercase: %c\n", ch + 32);
    return 0;
}
```

9. wap_to_find_greater_of_2_numbers_if_else_introduction

```
#include <stdio.h>
```

```
int main() {  
    int a, b;  
    printf("Enter two numbers: ");  
    scanf("%d %d", &a, &b);  
    if (a > b) {  
        printf("Greater: %d\n", a);  
    } else {  
        printf("Greater: %d\n", b);  
    }  
    return 0;  
}
```

10.wap_to_find_whether_a_number_is_positive_or_not_if_it_is_positive_check_whether_it_is_even_or_odd

```
#include <stdio.h>
```

```
int main() {  
    int num;  
    printf("Enter a number: ");  
    scanf("%d", &num);  
    if (num > 0) {  
        if (num % 2 == 0) {  
            printf("Positive Even\n");  
        }  
    }  
}
```

```
    } else {  
        printf("Positive Odd\n");  
    }  
} else {  
    printf("Not Positive\n");  
}  
return 0;  
}
```