# DAY 21

# 1. Print “Hello, World!”

#include <stdio.h>  
  
int main() {  
 printf("Hello, World!\n");  
 return 0;  
}

# 2. Take Name and Age as Input and Display

#include <stdio.h>  
  
int main() {  
 char name[50];  
 int age;  
 printf("Enter your name: ");  
 scanf("%s", name);  
 printf("Enter your age: ");  
 scanf("%d", &age);  
 printf("Name: %s\nAge: %d\n", name, age);  
 return 0;  
}

# 3. Print ASCII Value of a Given Character

#include <stdio.h>  
  
int main() {  
 char ch;  
 printf("Enter a character: ");  
 scanf(" %c", &ch);  
 printf("ASCII value: %d\n", ch);  
 return 0;  
}

# 4. Convert Lowercase to Uppercase

#include <stdio.h>  
#include <ctype.h>  
  
int main() {  
 char ch;  
 printf("Enter a lowercase letter: ");  
 scanf(" %c", &ch);  
 printf("Uppercase: %c\n", toupper(ch));  
 return 0;  
}

# 5. Convert Uppercase to Lowercase

#include <stdio.h>  
#include <ctype.h>  
  
int main() {  
 char ch;  
 printf("Enter an uppercase letter: ");  
 scanf(" %c", &ch);  
 printf("Lowercase: %c\n", tolower(ch));  
 return 0;  
}

# 6. Display the Size of Data Types

#include <stdio.h>  
  
int main() {  
 printf("Size of int: %lu bytes\n", sizeof(int));  
 printf("Size of float: %lu bytes\n", sizeof(float));  
 printf("Size of char: %lu bytes\n", sizeof(char));  
 printf("Size of double: %lu bytes\n", sizeof(double));  
 return 0;  
}

# 7. Print Your Name 10 Times Using a Loop

#include <stdio.h>  
  
int main() {  
 for (int i = 0; i < 10; i++) {  
 printf("Your Name\n");  
 }  
 return 0;  
}

# 8. Check if Character is Alphabet, Digit, or Special Symbol

#include <stdio.h>  
#include <ctype.h>  
  
int main() {  
 char ch;  
 printf("Enter a character: ");  
 scanf(" %c", &ch);  
 if (isalpha(ch))  
 printf("Alphabet\n");  
 else if (isdigit(ch))  
 printf("Digit\n");  
 else  
 printf("Special Symbol\n");  
 return 0;  
}

# 9. Read Three Characters and Print in Reverse Order

#include <stdio.h>  
  
int main() {  
 char a, b, c;  
 printf("Enter three characters: ");  
 scanf(" %c %c %c", &a, &b, &c);  
 printf("Reverse order: %c %c %c\n", c, b, a);  
 return 0;  
}

# 10. Calculate and Print Average of Three Numbers

#include <stdio.h>  
  
int main() {  
 float a, b, c;  
 printf("Enter three numbers: ");  
 scanf("%f %f %f", &a, &b, &c);  
 float avg = (a + b + c) / 3;  
 printf("Average: %.2f\n", avg);  
 return 0;  
}