Day 1:-

1) positive and negative number

```c
#include <stdio.h>
int main() {
int number;
printf ("Enter an integer: ");
scanf ("%d", &number);
if (number >0) {
else if (number <0)

{
printf ("%d is a positive number.\n", number);

}
else is (number < 0)
{
printf ("%d is a negative number.\n", number);

}
else
{
printf (" you entered zero.\n");
}
return 0;

}
```

2) Even or odd number

```c
#include <stdio.h>
int main() {
{
int number;
printf (" Enter an integer: ");
scanf ("%d", &number);
if (number % 2 ==0) {
```

```c
    printf ("%d is an even number.\n", number);
  }
  else
  {
    printf ("%d is an odd number.\n", number);
  }
  return 0;
}
```

3) sum of first N natural numbers

```c
#include <stdio.h>

int main()
{
int n, sum = 0;
printf ("Enter a positive integer (N): ");
scanf ("%d", &n);
  for (int i = 1; i <= n; i++)
  {
   sum += i;
  }
  printf ("The sum of the first %d natural number
      is: %d\n", n, sum);
  return 0;
}
```

4. Sum of numbers in a given range

```c
#include <stdio.h>

int main()
{
int start_value, end_value, sum = 0;
```

```c
printf("Enter the starting value of the range: ");
scanf("%d", &start_value);

printf("Enter the ending value of the range: ");
scanf("%d", &end_value);

for (int i = start_value; i <= end_value; i++) {
    sum += i;
}

printf("the sum of numbers in the range [%d, %d] is: %d\n", start_value, end_value, sum);

return 0;
}
```