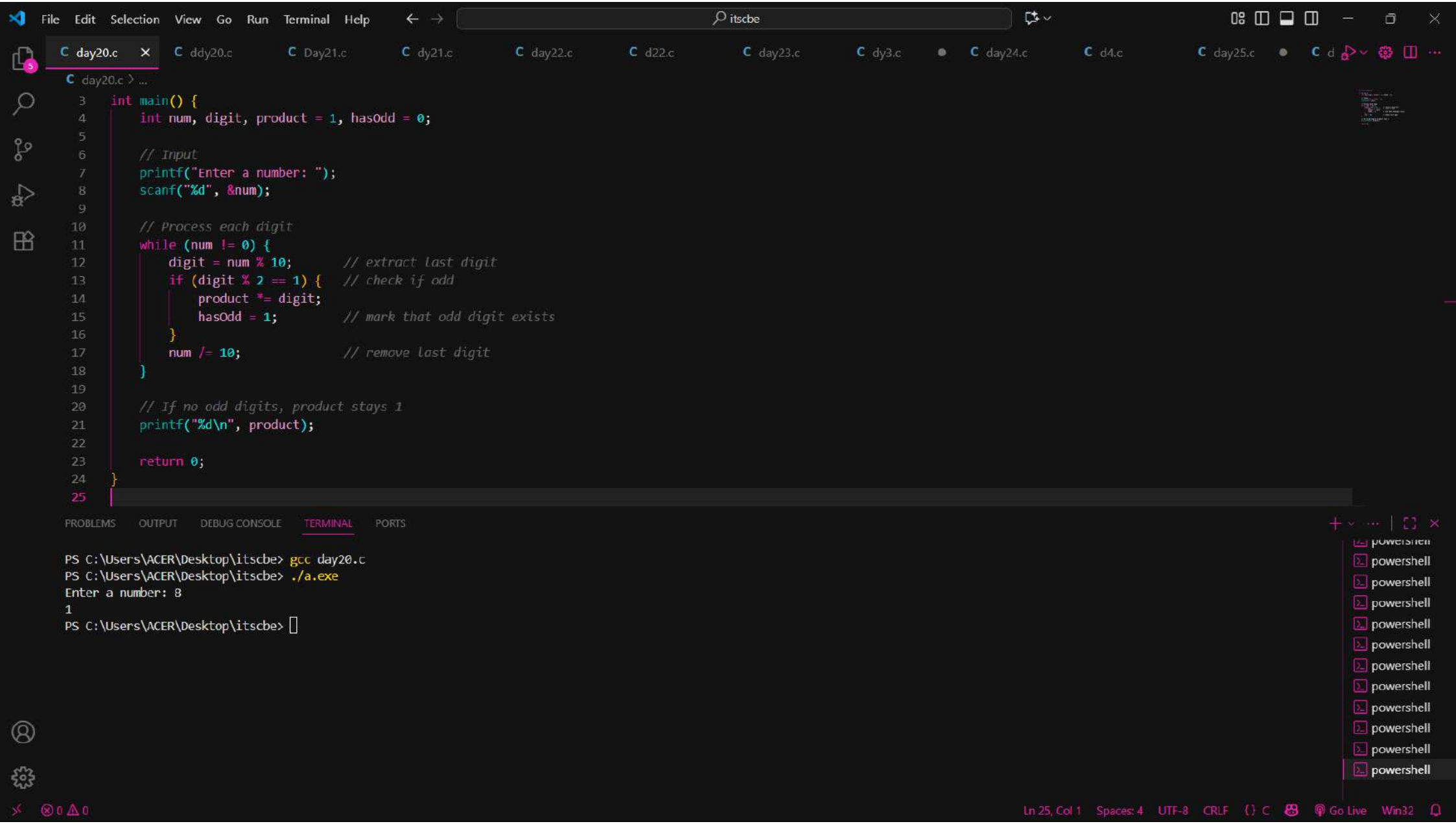
ddy20.c

```c

int main() {
    char binary[100];
    int i;

    // Input
    printf("Enter a binary number: ");
    scanf("%s", binary);

    // Process each digit
    for (i = 0; i < strlen(binary); i++) {
        if (binary[i] == '0')
            binary[i] = '1';
        else if (binary[i] == '1')
            binary[i] = '0';
        else {
            printf("Invalid binary number!\n");
            return 0;
        }
    }

    // Output
    printf("%s\n", binary);

    return 0;
}

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\ACER\Desktop\itscbe> gcc ddy20.c
PS C:\Users\ACER\Desktop\itscbe> ./a.exe
Enter a binary number: 800
Invalid binary number!
PS C:\Users\ACER\Desktop\itscbe> gcc ddy20.c
PS C:\Users\ACER\Desktop\itscbe> ./a.exe
Enter a binary number: 10010001010
01101110101
PS C:\Users\ACER\Desktop\itscbe>
```


File Edit Selection View Go Run Terminal Help
itscbe
day20.c
ddy20.c
Day21.c
dy21.c
day22.c
d22.c
day23.c
dy3.c
day24.c
d4.c
day25.c
day20.c > ...
int main() {
int num, digit, product = 1, hasOdd = 0;
// Input
printf("Enter a number: ");
scanf("%d", &num);
// Process each digit
while (num != 0) {
digit = num % 10; // extract last digit
if (digit % 2 == 1) { // check if odd
product *= digit;
hasOdd = 1; // mark that odd digit exists
}
num /= 10; // remove last digit
}
// If no odd digits, product stays 1
printf("%d\n", product);
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\ACER\Desktop\itscbe> gcc day20.c
PS C:\Users\ACER\Desktop\itscbe> ./a.exe
Enter a number: 8
1
PS C:\Users\ACER\Desktop\itscbe>
powershell
Ln 25, Col 1 Spaces: 4 UTF-8 CRLF C Go Live Win32