Day :1. .odd or even

#include <iostream>

using namespace std;

int main() {

int a;

cout << "Enter the number: "; cin >> a;

/\* logic \*/

if (a % 2 == 0) {

cout << "The given number is EVEN" << endl;

} else {

cout << "The given number is ODD" << endl;

}

return 0;

}

Day 2: .last digit:

#include <iostream>

using namespace std;

int lastDigit(int n){

return (n % 10);

}

int main(){

int num, digit;

// Asking for input

cout << "Enter a number: ";

cin >> num;

digit = lastDigit(num);

cout << "Last Digit of " << num << " is: " << digit << endl;

return 0;

}

Day :3 number of digits:

#include <iostream>

using namespace std;

int main(){

int num, count;

// Asking for input

cout << "Enter a number: ";

cin >> num;

for (count = 0; num > 0; count++){

num = num / 10;

}

cout << "Total no. of digits: " << count << endl;

return 0;

}

Day 4.reverse number:

#include <iostream>

using namespace std;

int main() {

int n, reversed\_number = 0, remainder;

cout << "Enter an integer: ";

cin >> n;

while(n != 0) {

remainder = n % 10;

reversed\_number = reversed\_number \* 10 + remainder;

n /= 10;

}

cout << "Reversed Number = " << reversed\_number;

return 0;

}

Day: 5

#include <iostream>

using namespace std;

int main()

{

int exponent;

float base, result = 1;

cout << "Enter base and exponent respectively: ";

cin >> base >> exponent;

cout << base << "^" << exponent << " = ";

while (exponent != 0) {

result \*= base;

--exponent;

}

cout << result;

return 0;

}