Problem Set 1

1. Find all the errors in the following program.

#include <stdudio.h>
int main() { printf(Hello World) }

2. Write a program to print the following.



3. Write a program to read a number in hexadecimal and print its value in decimal. For example, if the input is 10 the output should be 16; if the input is A2 the output should be 162.

4. Write a program to read five integers each having maximum 10 digits, and print them one in each row in a right-aligned manner. For example, if the input is 10 1 22 4432 222222 the output should be

5. Write a program to evaluate the expression $(x - 1) (x - 5) (x^2 - 4x + 23)$ where the value of x is taken from the user.

6. Amir has 7 marbles, Shahrukh has 5 marbles and Salman has 22 marbles. Shahrukh gives 4 of his marbles to Salman. Amir gives 3 of his marbles to Shahrukh. Salman goes to a marble shop and adds double the number of his current number of marbles to his collection. Write a program to simulate / imitate the above exchanges and finally print the number of marbles each of them has.