//IT20151492

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//Group 7.1

Question 01

#include <stdio.h>

int main (void)

{

int number , sum , count ; //assing the variable

sum=count=0;

printf("Enter the number:"); //prompt for input

scanf("%d" , &number); //read number from user

while( count<=n )

{

sum = sum + count;

count++;

}

printf("Sum of the numbers:%d", sum ); //print the sum

return 0;

}

Question 02

#include <stdio.h>

int main()

{

char letter = 'A'; //assing the variable

while(letter<='Z')

{

printf("%c " , letter ); //print the upercase letters

letter++;

}

return 0;

}

Question 03

#include <stdio.h>

int main (void)

{

//assing variables

int factorial=1;

int count=1;

int number;

printf("Enter the number N :"); //prompt for input

scanf("%d" , &number); //read number from user

while(count<=number)

{

factorial \*= count;

++count;

}

printf("The factorial of %d is:%d" , number , factorial); //print the number of factorial

return 0;

}

Question 04

#include <stdio.h>

int main(void)

{

int count = 1 , quantity = 0, item\_price = 0 , total = 0 , sum = 0 ; //assing variables

while(count<=5)

{

printf("Enter item price:"); //prompt for input

scanf("%d" , &item\_price); //read item\_price from user

printf("Enter item quantity:"); //prompt for input

scanf("%d" , &quantity); //read quantity from user

total = item\_price \* quantity;

sum = sum + total;

count++;

}

if (sum>1000)

{

printf("Target achieved"); //print the result

}

else

{

printf("Failed to reach the target"); //print the result

}

return 0;

}

Question 05

#include <stdio.h>

int main(void)

{

int count = 1 , average = 0 , marks = 0 , total = 0; //assing variables

while(count<=5)

{

printf("Enter the marks:"); //prompt for input

scanf("%d" , &marks); //read marks from user

total = total + marks;

count++;

}

average = total / 5;

if (average>45)

{

printf("passed"); //print the result

}

else

{

printf("Failed "); //print the result

}

return 0;

}