1.a) #include <stdio.h>

int main(){

int i;

for(++i;++i;i++){

printf("%d",i);

if(i==6){

break;

}

}

return 0;

}

##Output:246

1.b) include <stdio.h>

int fun()

{

static int num=10;

return num--;

}

int main(

{

for(fun();fun();fun())

printf("%d",fun());

return 0;

}

##output:8 5 2

2.)Multiple choice ques:

1)d)-32768 to 32767.

2)b)The current value of a.

3)c)Anywhere,but starting on a new line.

4)d)do while.

5)c)linear.

3.Fizzbusprogarm:

#include <stdio.h>

int main()

{

int i, n ;

printf("Enter the number :");

scanf("%d", &n);

for (i=1; i<=n; i++)

{

// number divisible by 3 and 5 will always be divisible by 15

if (i%15 == 0)

printf ("FizzBuzz\t");

// number divisible by 3, print 'Fizz' in place of the number

else if ((i%3) == 0)

printf("Fizz\t");

// number divisible by 5, print 'Buzz' in place of the number

else if ((i%5) == 0)

printf("Buzz\t");

else // print the number

printf("%d\t", i);

}

return 0;

}

4. Pyramid of stars for 5 rows:

#include <stdio.h>

int main()

{

int n,i,j;

printf("How many rows you want in your pyramid?\n");

scanf(i=1;i<=n;i++)

for(i=1;i<=n;i++)

{

for(j=1;j<2\*n-1;j++)

{

if(j>n-(i-1)&&j<=n+(i-1))

printf("\*");

}

else

printf(" ");

}

printf("\n");

}

return 0;

}

5.

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

int main() {

char \*s;

s = malloc(1024 \* sizeof(char));

scanf("%s", s);

s = realloc(s, strlen(s) + 1);

int len = str(s), i;

int arr[10];

for(i = 0; i < 10; i++) arr[i] = 0;

for(i = 0; i < len; i++) { if(s[i] >= '0' && s[i] <= '9') { arr[(int)(s[i] - '0')]++;

}

}

for(i = 0; i < 10; i++)

printf("%d ", arr[i]);

printf("\n");

free(s);

return 0; }