Name : Almeerah Firdouse

55947

Coal lab

Task 1

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,10
    mov dx,48
    pd:
    mov ah,2
    int 21h

    inc dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 2

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,10
    mov dx,59
    pd:
    mov ah,2
    int 21h

    dec dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 3

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,26
    mov dx,97
    pd:
    mov ah,2
    int 21h

    inc dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 4

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,26
    mov dx,122
    pd:
    mov ah,2
    int 21h

    dec dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 5

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,26
    mov dx,65
    pd:
    mov ah,2
    int 21h

    inc dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 6

```
.model small
.stack 100h
.data
.code
main proc
    mov cx ,26
    mov dx,90
    pd:
    mov ah,2
    int 21h

    dec dx

    loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 7

```asm
.model small
.stack 100h
.data
.code
main proc
    mov cx ,5
    mov dx,49
    pd:

    mov ah,2
    int 21h

    inc dx
    inc dx

    loop pd


mov ah,4ch
int 21h

main endp
end main
```

Task 8

```
.model small
.stack 100h
.data
.code
main proc
  mov cx ,5
  mov dx,57
  pd:

  mov ah,2
  int 21h

  dec dx
  dec dx

  loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 9

```
.model small
.stack 100h
.data
.code
main proc
  mov cx ,5
  mov dx,50
  pd:

  mov ah,2
  int 21h

  inc dx
  inc dx


  loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 10

```
.model small
.stack 100h
.data
.code
main proc
   mov cx ,5
   mov dx,56
   pd:

   mov ah,2
   int 21h

   dec dx
   dec dx


   loop pd



mov ah,4ch
int 21h

main endp
end main
```

Task 12

```
.model small
.stack 100h
.data
msg DB "enter a character $"
.code
main proc

     mov ax,@data
     mov ds,ax
     mov dl,msg
     mov dx,offset msg
     mov ah,9
     int 21h

     mov ah,1
     int 21h
     mov bx,ax

     mov dl,10
     mov ah,2
     int 21h
     mov dl,13
     mov ah,2
     int 21h


   mov cx ,10
   mov dx,bx
   pd:

   mov ah,2
   int 21h

   loop pd

mov ah,4ch
int 21h

main endp
end main
```

Task 11

```asm
.model small
.stack 100h
.data

.code
main proc

    mov bx,0


    mov cx,3
    mov dx,48
  pd:
   add bx,dx
   sub bx,30h
   inc dx

  loop pd

  mov cx,bDl
  add cx,30h
   mov ah,2
   int 21h

mov ah,4ch
int 21h

main endp
end main
```