LAB 10/ LAB 11

Q1:

```
on mid2 - Microsoft Visual Studio (Administrator)
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
i 🛅 - 🛅 - 💆 🖟 🖟 🖟 🕒 🖟 🕒 Debug
                                                           → Win32
                                                                                 - B
please.asm X
        TITLE ASSEMBLYCODE(please.asm)
        INCLUDE Irvine32.inc
        .data
        Value byte "SAAD UR REHMAN",0
        .code
       main PROC ;Saad ur Rehman(19k-0218)
        Call clrscr
        mov edx,offset Value
                                   C:\Windows\system32\cmd.exe
        Call Writestring
                                  SAAD UR REHMAN
       mov eax,2000
                                   EAX=000007D0 EBX=01057000 ECX=00C61005 EDX=00C65000 ESI=00C61005 EDI=00C61005 EBP=012FF8A4 ESP=012FF898
        call Delay
       call DumpRegs
                                    EIP=00C6102E EFL=00000246 CF=0 SF=0 ZF=1 OF=0 AF=0 PF=1
        main ENDP
        END main
   Output
```

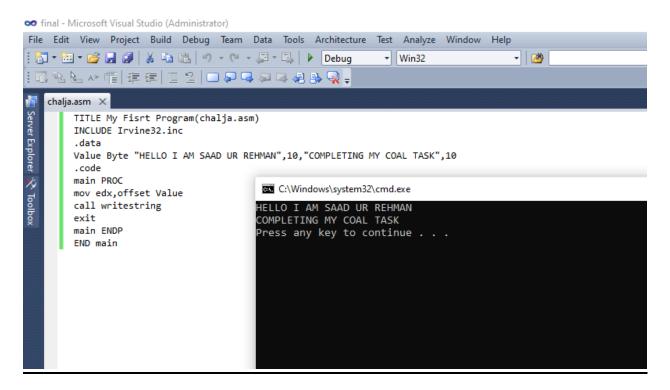
Q2:

SAAD UR REHMAN 19k-0218

SEC: C

```
please.asm X
     TITLE ASSEMBLYCODE(please.asm)
     INCLUDE Irvine32.inc
     .data
    Value byte "HELLO I AM SAAD UR REHMAN",0
    Value2 byte "NOW CURSOR IS ON SECOND LINE",0
    .code
    main PROC ;Saad ur Rehman(19k-0218)
    mov edx,offset Value
    Call Writestring
                              C:\Windows\system32\cmd.exe
    call crlf
    mov edx,offset Value2
                             HELLO I AM SAAD UR REHMAN
    call writestring
                             NOW CURSOR IS ON SECOND LINE
    call crlf
                             Press any key to continue \dots
    main ENDP
     END main
Output
Show output from: Build
1>----- Build started: Proje
```

Q3:



SAAD UR REHMAN 19k-0218

SEC: C

Q4:

```
TITLE My Fisrt Program(chalja.asm)
INCLUDE Irvine32.inc
.data ;Saad ur REhman(19k-0218)
Value Byte "HELLO I AM SAAD UR REHMAN", 10, "COMPLETING MY COAL TASK", 10
Value1 Byte "VALUE IN BIN :",0
Value2 Byte "VALUE IN DEC :",0
Value3 Byte "VALUE IN HEX :",0
.code
main PROC
                                  C:\Windows\system32\cmd.exe
mov edx,offset Value
                                 VALUE IN BIN :0000 0000 1010 1011 1001 0001 0010 0011
mov eax,0AB9123h
                                 VALUE IN DEC :11243811
VALUE IN HEX :00AB9123
mov edx,offset Value1
call Writestring
                                 Press any key to continue \dots
call WriteBin
call crlf
mov edx,offset Value2
call Writestring
call WriteDec
call crlf
mov edx,offset Value3
call Writestring
call WriteHex
call Crlf
exit
main ENDP
END main
```

Q5:

```
chalja.asm X
     TITLE My Fisrt Program(chalja.asm)
     INCLUDE Irvine32.inc
     .data
            ;Saad ur REhman(19k-0218)
     Value Byte "HELLO I AM SAAD UR REHMAN", 10, "COMPLETING MY COAL TASK", 10
     Value1 Byte "ENTER YOUR NAME :",0
    output DWORD 20 DUP(?)
     .code
    main PROC
    mov edx,offset Value
     mov edx,offset Value1
     call Writestring
    mov edx, offset output
    mov ecx, sizeof output
                                           C:\Windows\system32\cmd.exe
     call Readstring
                                          ENTER YOUR NAME :SAAD
     call Crlf
     mov edx,offset output
                                          SAADPress any key to continue . . .
    call Writestring
     exit
     main ENDP
     END main
Output
Show output from: Build
```

SAAD UR REHMAN 19k-0218

SEC: C

Q6:

```
TITLE My Fisrt Program(chalja.asm)
     INCLUDE Irvine32.inc
     .data ;Saad ur REhman(19k-0218)
Value Byte "HELLO I AM SAAD UR REHMAN",10,"COMPLETING MY COAL TASK",10
     Value1 Byte "ENTER YOUR NAME :",0
     output DWORD 20 DUP(?)
     .code
                                C:\Windows\system32\cmd.exe
     main PROC
    call Randomize
                               21 30 15 16 73 69 27 61 37 10 27 31 52 5 25 41 90 11 89 87 Press any key to continue . . . 🗕
     mov ecx,20
     mov eax,100
     call randomrange
     call WriteDec
     mov al,'
     call Writechar
     loop 11
     exit
     main ENDP
     END main
Output
```

Q7:

```
chalja.asm X
Server Explorer 🎌 Toolbo
         TITLE My Fisrt Program(chalja.asm)
         INCLUDE Irvine32.inc
         .data ;Saad ur REhman(19k-0218)
         Value Byte "HELLO I AM SAAD UR REHMAN",0
         .code
         main PROC
         mov eax,yellow+(blue*16)
         call setTextcolor
         mov edx,offset Value
         call Writestring
         call crlf
                                   C:\Windows\system32\cmd.exe
                                  HELLO I AM SAAD UR REHMAN
         main ENDP
                                  Press any key to continue . . .
         END main
```