Practice Sheet

**1. void main()**

**{**

**signed char var;**

**for(var=0;var<=127;var++)**

**printf("%c %d\n",var,var);**

**}**

**2. void  main(){**

**int x=123;**

**int i={**

**printf("c" "++")**

**};**

**for(x=0;x<=i;x++){**

**printf("%x ",x);**

**}**

**}**

**3. void  main(){**

**int i;**

**for(i=10;i<=12;i++){**

**while(i){**

**do{**

**printf("%d ",i);**

**if(i>>1)**

**continue;**

**}while(0);**

**break;**

**}**

**}**

**}**

**4. void  main()**

**{**

**int i=2,j=2;**

**while(i+1?--i:j++)**

**printf("%d",i);**

**}**

**5. Which of the following go out of the loop if expn 2 becoming false**

**(a) while(expn 1)\{...if(expn 2)continue;}**

**(b) while(!expn 1)\{if(expn 2)continue;...}**

**(c) do{..if(expn 1)continue;..}while(expn 2);**

**(d) while(!expn 2)\{if(expn 1)continue;..\}**

**6. Which of the following is not an infinite loop ?**

**(a) while(1)\{ ....}**

**(b) for(;;){...}**

**(c) x=0;**

**do{........}while(x = = 0);**

**(d) # define TRUE 0**

**while(TRUE){ ....}**

**7. void main()**

**{**

**int k = 0;**

**for (k < 3; k++)**

**printf("Hello");**

**}**

**8. void main()**

**{**

**double k = 0;**

**for (k = 0.0; k < 3.0; k++)**

**printf("Hello");**

**}**

**a) Run time error**

**b) Hello is printed thrice**

**c) Hello is printed twice**

**d) Hello is printed infinitely**

**9. What is the output of this C code?**

**#include <stdio.h>**

**void main()**

**{**

**char \*str = "";**

**do**

**{**

**printf("hello");**

**} while (str);**

**}**

**10.void main()**

**{**

**int i = 0;**

**while (i < 10)**

**{**

**i++;**

**printf("hi\n");**

**} while (i < 8)**

**i++;**

**printf("hello\n");**

**}**

**11.void  main()**

**{**

**int i = 0, j = 0;**

**while (i < 5, j < 3)**

**{**

**i++;**

**j++;**

**}**

**printf("%d, %d\n", i, j);**

**}**

**12.Which loop is most suitable to first perform the operation and then test the condition?**

**a) for loop**

**b) while loop**

**c) do-while loop**

**d) None of the mentioned**

**13.What is the output of this C code?**

**#include <stdio.h>**

**void main()**

**{**

**int k = 0;**

**for (k)**

**printf("Hello");**

**}**

**14.#include<stdio.h>**

**void  main(){**

**int i;**

**for(i=0;i<5;i++){**

**int i=10;**

**printf(" %d",i);**

**i++;**

**}**

**}**

**15.Does this compile without error?**

**void  main()**

**{**

**int k;**

**{**

**int k;**

**for (k = 0; k < 10; k++);**

**}**

**}**

**16.void main(){**

**int a,b;**

**a=b=1;**

**while(a=b++<=12);**

**printf("%d %d\n",a,b);**

**}**

**17.void main(){**

**int i=0,j=0;**

**for(j=0;j<5;j++)**

**{**

**i=i++;**

**}**

**printf("%d %d",i,j);**

**}**

**18.void main() {**

**static char k;**

**while(k<=10)**

**k>0?k++:k--;**

**if(printf("%d\n",k))**

**printf("1");**

**}**

**19.void main()**

**{**

**int x=1;**

**while(++x<5)**

**{**

**++x;**

**printf("%d ",++x);**

**goto out;**

**}**

**out:**

**printf("end");**

**}**

**20.void main()**

**{**

**int i=0;**

**while()**

**{**

**i++;**

**if(i<5)**

**break;**

**printf("%d",i);**

**}**

**}**

**21.void main()**

**{**

**int x=1;**

**while(++x<5)**

**{**

**++x;**

**printf("%d ",++x);**

**goto out;**

**}**

**out:**

**printf("end");**

**}**

**void fun()**

**{**

**out:**

**printf("fun");**

**}**

**22.void main()**

**{**

**int x=1;**

**while(++x<5)**

**{**

**++x;**

**printf("%d ",++x);**

**goto out;**

**}**

**out:**

**printf("end");**

**}**

**23.void main()**

**{**

**int i=0;**

**while()**

**{**

**i++;**

**if(i<5)**

**break;**

**printf("%d",i);**

**}**

**}**

**24.void main()**

**{**

**for(;;)**

**{**

**static int x=1;**

**int y=1;**

**x++;**

**y++;**

**printf("%d %d ",x,y);**

**if(x>y)**

**break;**

**}**

**}**

**25.void main() {**

**unsigned int num=65530;**

**while(num++!=0);**

**printf("%d",num);**

**}**

**26.void main() {**

**char ch[]=”1”;**

**while(1) {**

**if(printf("%d",printf("%s",ch)))**

**break;**

**else**

**continue;**

**}**

**}**

**27.void main () {**

**int i;**

**for ( i = 10 ; i>5 ; i--) {**

**do {**

**int j = i/2 ;**

**printf("%d ", j ) ;**

**} while ( j++ < i--) ;**

**}**

**}**

**28.void main()**

**{**

**int i;**

**for( i=0;-i<3;i--)**

**printf("%d",i);**

**}**

**29.void main() {**

**int i=3;**

**for(;i;printf("%d",i--));**

**}**

**30.what will be the value of i and j after execution**

**for(i=2,j=5;i<5,j<10;i++,j++);**

**printf("i=%d j=%d",i,j);**

**31.void main()**

**{**

**printf("s1\n");**

**for(exit(10);1;printf("s5"))**

**{**

**printf("s2");**

**break;**

**printf("s4");**

**}**

**printf("s5");**

**}**

**32.void main()**

**{**

**printf("s1");**

**while(1)**

**{**

**printf("s2");**

**exit(1);**

**printf("s3");**

**break;**

**printf("s4");**

**}**

**printf("s5");**

**}**

**33.void main() {**

**int i=0;**

**for( ;i=0,i<5; )**

**{**

**i++;**

**printf("  %d",i);**

**}**

**}**

**34.void  main()**

**{**

**char c=48;**

**int i, mask=01;**

**for(i=1; i<=5; i++)**

**{**

**printf("%c", c|mask);**

**mask = mask<<1;**

**}**

**}**

**35.void main()**

**{**

**int i=0,j=0;**

**do**

**while(i++<2);**

**while(i++<=3);**

**printf("%d",i);**

**}**

**36.void main()**

**{**

**int i=i;**

**i=1;**

**while(i++);**

**printf("%d",i);**

**}**

**37.void main()**

**{**

**int i;**

**i=1;**

**while(i++>32767);**

**printf("%d",i);**

**}**

**38.void main()**

**{**

**int a,b;**

**a=b=10;**

**while(a)**

**{**

**a=++b<=15;**

**printf("\n%d %d",a,b);**

**}**

**printf("\n%d %d",a+10,b+10);**

**}**

**39.void main()**

**{**

**int i;**

**i=1;**

**do**

**while(i++<=1);**

**while(i++<=3);**

**printf("%d",i);**

**}**

**40.void main()**

**{**

**int m=3;**

**do**

**{**

**printf("%d\n",m);**

**m=0;**

**}**

**while(m>0);**

**}**

**41.void main()**

**{**

**int j;**

**for(j=0;j++<=4;printf("%d",j));**

**}**

**42.void main()**

**{**

**char i=250;**

**for(i<0;i++;i=0,printf("%d",i));**

**}**

**43.void main()**

**{**

**char j;**

**for(j=1;100;j++)**

**printf("%d\n",j);**

**}**

**44.void main()**

**{**

**int i;**

**printf("HELLO");**

**for(i=1;i<=10;i++)**

**main();**

**}**

**45.void main()**

**{**

**int i,j=0;**

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

**{**

**j=j+i;**

**i+=2;**

**printf(" %d",j);**

**getch();**

**}**

**}**

**46.void main()**

**{**

**int a;**

**a=1;**

**while(a<=1)**

**if(a%2)**

**printf("%d",a++);**

**else**

**printf("%d",++a);**

**printf("%d",a+10);**

**}**

**47.void main()**

**{**

**int a;**

**a=10;**

**do**

**while(a++<=10);**

**while(a++<=11);**

**printf("%d",a);**

**}**

**48.void main()**

**{**

**int a,b;**

**for(a=b=10;a;printf("\n%d %d",a,b))**

**a=b++<=12;**

**printf("\n%d %d",a,b+10);**

**}**

**49.void main()**

**{**

**int i;**

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

**i++;**

**printf("%d",i);**

**}**

**50.void main()**

**{**

**int i;**

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

**for(i++;i++<=6;i++)**

**i++;**

**printf("%d",i);**

**}**

**51.void main()**

**{**

**int a;**

**a=1;**

**while(a<=10)**

**printf("%d",a);**

**if(a>3)**

**break;**

**a++;**

**printf("%d",a+10);**

**}**

**52.void main()**

**{**

**int a=1;**

**while(a<=3)**

**{**

**printf("%d",a);**

**if(a>3&&a<8)**

**continue;**

**a++;**

**}**

**printf("%d",a+10);**

**}**

**53.void main()**

**{**

**int x=10,y=20;**

**while(x++<=12||y++<=22)**

**printf("\n%d %d",x,y);**

**printf("%d %d",x+10,y+10);**

**}**

**54.void  main()**

**{**

**int i;**

**for(;scanf("%d",&i);printf("%d",i))       break;**

**}**

**55.how many time the loop will get executed?**

**int i;**

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

**printf("HI");**

**56.void main()**

**{**

**int i=0;**

**char ch='A';**

**do**

**putchar(ch);**

**while(i++<5||++ch<='F');**

**}**

**57.void main()**

**{**

**while("hai");**

**printf("hello");**

**}**

**58.void main()**

**{**

**for(;;)**

**printf("hello");**

**}**

**59.void main()**

**{**

**int i=0;**

**for(;i;)**

**printf("\n Loop");**

**printf("\n End");**

**}**

**60.void main()**

**{**

**for(;0;)**

**printf("\n Loop");**

**printf("\n End ");**

**}**

**61.void main()**

**{**

**int i=0;**

**while(i)**

**printf("\nLoop");**

**printf("\nEnd");**

**}**

**62.void main()**

**{**

**while(0)**

**printf("\nwhile loop");**

**printf("\nEnd");**

**}**

**63.void main()**

**{**

**int i=0;**

**do**

**printf("\nLoop");**

**while(i);**

**printf("\nEnd");**

**}**

**64.void main()**

**{**

**do**

**printf("\nLoop");**

**while(0);**

**printf("\nEnd");**

**}**