Iterative Control Statements

Assignment – 4

1. Write a program to print MySirG 5 times on the screen?

Solve –

#include<stdio.h>

int main()

{

int i=1;

while(i<=10){

printf("MySirG\n");

i++;

}

return 0;

}

Output-

MySirG

MySirG

MySirG

MySirG

MySirG

MySirG

MySirG

MySirG

MySirG

MySirG

2. Write a program to print the first 10 natural numbers?

Solve-

#include<stdio.h>

int main(){

int i;

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

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

}

return 0;

}

Solve-

0

1

2

3

4

5

6

7

8

9

10

3. Write a program to print the first 10 natural numbers in reverse order ?  
 solve-

#include<stdio.h>

int main(){

int i;

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

printf("%d\n", 10-i);

}

return 0;

}

Output –

10

9

8

7

6

5

4

3

2

1

4. Write a program to print the first 10 odd natural numbers ?

Solve-

#include<stdio.h>

int main()

{

int i;

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

printf( " %d\n",2\*i-1);

}

return 0;

}

Output -

1

3

5

7

9

11

13

15

17

5. Write a program to print the first 10 odd natural numbers in reverse order ?  
solve –

#include<stdio.h>

int main()

{

int i;

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

printf( " %d\n", 20- 2\*i-1);

}

return 0;

}

Output -

19

17

15

13

11

9

7

5

3

1

6. Write a program to print the first 10 even natural numbers ?

Solve –

2

4

6

8

10

12

14

16

18

20

7. Write a program to print the first 10 even natural numbers in reverse order ?

#include<stdio.h>

int main()

{

int i;

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

printf("%d\n",20 -2\*i);

}

return 0;

}

Output

20

18

16

14

12

10

8

6

4

2

8. Write a program to print squares of the first 10 natural numbers ?  
SOLVE –

#include<stdio.h>

int main()

{

int i;

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

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

}

return 0;

}

Output -

1

4

9

16

25

36

49

64

81

100

9. Write a program to print cubes of the first 10 natural numbers ?

Solve –

#include<stdio.h>

int main()

{

int i;

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

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

}

return 0;

}

Output –

1

8

27

64

125

216

343

512

729

1000

10. Write a program to print a table of 5 ?  
solve –

#include<stdio.h>

int main()

{

int i;

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

printf(" %d\n",5\*i);

}

return 0;

}

Output-

5

10

15

20

25

30

35

40

45

50